Matrices01 Answers for No.9124

ExerciseMatrices01 Answers for No.9124

$$Ans_1 = \begin{bmatrix} 2 & 4 \\ -6 & -6 \\ -4 & -2 \\ -2 & 5 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -5 & -3 & 3 \\ 2 & -7 & -6 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & -1 & -3 \\ 3 & 2 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 3 & 3 & 1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} 3 & -12 & -3 & -6 \\ 7 & 1 & -7 & -2 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 8 & 1 \\ -1 & 2 \\ 2 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -5 & 8 & -8 \\ 3 & -2 & -2 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 1 & -15 & 12 \\ -16 & 14 & 12 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} -9 & -17 \\ 0 & -7 \\ 0 & 0 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} -16 \\ -8 \\ 0 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} -6 & -3 \\ 2 & -5 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 14 & 7 \\ 7 & 14 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 13 & 4 & -9 \\ 4 & 5 & 1 \\ -9 & 1 & 10 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} 26 & 13 \\ 3 & 24 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9197

ExerciseMatrices01 Answers for No.9197

$$Ans_1 = \begin{bmatrix} -3 & 3 & 6 \\ -6 & 5 & -2 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} -2 & 2 \\ -3 & -6 \\ -3 & 1 \\ -1 & 3 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} 1 & -2 \\ -1 & 3 \\ -1 & 3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [3 \quad 2 \quad 3], \; , Ans_5 = \begin{bmatrix} -7 & -5 \\ 2 & 4 \\ 2 & -9 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} -4 & 0 & 4 & -6 \\ -6 & 7 & 0 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -7 & -3 \\ -8 & -5 \\ -7 & -6 \end{bmatrix}, \; , Ans_8 = \text{"undefined"}, \; , Ans_9 = \text{"undefined"}, \; , Ans_{10} = \begin{bmatrix} 12 & 18 & 3 \\ 18 & 7 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 0 & -3 & 3 \\ -3 & 8 & -6 \end{bmatrix}, \; , Ans_{12} = \text{"undefined"}, \; , Ans_{13} = \begin{bmatrix} -2 \\ -5 \\ 0 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} -5 & -3 \\ 2 & -6 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & -7 & -7 \\ -7 & 10 & 10 \\ -7 & 10 & 10 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 3 & -8 \\ -8 & 22 \end{bmatrix}, \; , Ans_{17} = \text{"undefined"}, \; , Ans_{18} = \begin{bmatrix} -13 & 2 \\ 12 & -34 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9252

ExerciseMatrices01 Answers for No.9252

$$Ans_1 = \begin{bmatrix} 3 & -7 \\ 4 & -5 \\ -6 & 3 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -5 & 3 & 4 & -1 \\ -3 & 7 & -6 & -4 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 3 & 2 \\ -1 & -1 \\ 3 & 3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-2 \quad 2 \quad 2], \ , Ans_5 = \begin{bmatrix} 2 & 7 & -12 \\ -2 & -11 & 4 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 11 & 1 \\ 4 & -4 \\ -7 & 10 \\ 6 & 10 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -2 & 8 & 0 \\ -1 & -10 & -1 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} -1 & 19 \\ -14 & 13 \\ -6 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -3 & -12 & 3 \\ -1 & -9 & 2 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 0 \\ 6 \\ -2 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 7 & -2 \\ -6 & 3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 13 & -5 & 15 \\ -5 & 2 & -6 \\ 15 & -6 & 18 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 19 & 16 \\ 16 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} 2 & -22 \\ -34 & -5 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9312

ExerciseMatrices01 Answers for No.9312

$$Ans_1 = \begin{bmatrix} -4 & -2 \\ -1 & -3 \\ -2 & -6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 2 & -3 & -4 & 1 \\ -3 & 3 & 6 & 7 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 1 & 1 \\ -2 & 2 \\ 1 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 3 & -3 & 2 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -7 & -4 & -7 \\ -8 & 3 & -1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -8 & 5 \\ -3 & 4 \\ -3 & -8 \\ 4 & -13 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -7 & -2 & -8 \\ -4 & 13 & 6 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 16 & -4 \\ -2 & -18 \\ 11 & 3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -1 & -3 & 4 \\ -1 & 5 & -8 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -6 \\ -8 \\ 4 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & 0 \\ 15 & 4 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 2 & 0 & -2 \\ 0 & 8 & -8 \\ -2 & -8 & 10 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 6 & -6 \\ -6 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} 12 & 6 \\ 36 & -6 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9397

ExerciseMatrices01 Answers for No.9397

$$Ans_1 = \begin{bmatrix} 7 & -4 & -4 \\ 3 & 5 & 1 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} -3 & -5 \\ 7 & -5 \\ -2 & 2 \\ 2 & 1 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} -2 & -3 \\ -3 & 1 \\ -3 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [1 \quad 3 \quad -2], \; , Ans_5 = \begin{bmatrix} 4 & 10 \\ -11 & 3 \\ 3 & -5 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} -4 & -3 & 4 & -9 \\ 12 & 12 & -1 & -2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 2 & 8 \\ -3 & 3 \\ 10 & -1 \end{bmatrix}, \; , Ans_8 = \text{"undefined"}, \; , Ans_9 = \text{"undefined"}, \; , Ans_{10} = \begin{bmatrix} -22 & -8 & -5 \\ -6 & -20 & -16 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 6 & -6 & 0 \\ 0 & 2 & 11 \end{bmatrix}, \; , Ans_{12} = \text{"undefined"}, \; , Ans_{13} = \begin{bmatrix} 6 \\ 1 \\ -1 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 3 & 2 \\ 6 & 7 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 13 & 3 & 9 \\ 3 & 10 & 8 \\ 9 & 8 & 10 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 22 & 6 \\ 6 & 11 \end{bmatrix}, \; , Ans_{17} = \text{"undefined"}, \; , Ans_{18} = \begin{bmatrix} -16 & -2 \\ 6 & 3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9449

ExerciseMatrices01 Answers for No.9449

$$Ans_1 = \begin{bmatrix} -1 & 4 & -7 \\ 6 & -1 & -3 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -4 & 1 \\ -2 & 7 \\ 7 & 3 \\ -3 & 1 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 3 & -1 \\ 1 & 2 \\ -3 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [1 \quad 3 \quad -1], \ , Ans_5 = \begin{bmatrix} -4 & 0 \\ 11 & 2 \\ -3 & 4 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 11 & 5 & -13 & 10 \\ 2 & -3 & 3 & -5 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -10 & -3 \\ 10 & 7 \\ -1 & 0 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 15 & -10 & 17 \\ -12 & -7 & 17 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -15 & 3 & 9 \\ 7 & 6 & 2 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -3 \\ 6 \\ 4 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 8 \\ 0 & 9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 10 & 1 & -11 \\ 1 & 5 & 1 \\ -11 & 1 & 13 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 19 & -7 \\ -7 & 9 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -16 & 31 \\ 7 & 18 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9562

ExerciseMatrices01 Answers for No.9562

$$Ans_1 = \begin{bmatrix} 6 & 3 \\ 5 & -6 \\ -4 & -3 \end{bmatrix}, \quad , Ans_2 = \begin{bmatrix} 2 & 3 & 6 & -3 \\ 7 & 7 & -5 & 2 \end{bmatrix}, \quad , Ans_3 = \begin{bmatrix} -2 & -1 & -1 \\ 2 & -2 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 2 & -2 & 3 \end{bmatrix}, \quad , Ans_5 = \begin{bmatrix} 7 & 1 & -7 \\ 6 & -2 & 1 \end{bmatrix}, \quad , Ans_6 = \begin{bmatrix} -4 & -10 \\ -6 & -2 \\ -13 & 12 \\ -3 & -3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 8 & -1 & 4 \\ 5 & -2 & 11 \end{bmatrix}, \quad , Ans_8 = \text{"undefined"}, \quad , Ans_9 = \text{"undefined"}, \quad , Ans_{10} = \begin{bmatrix} -20 & -7 \\ -11 & 18 \\ -10 & -11 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \quad , Ans_{12} = \begin{bmatrix} 0 & 0 \\ -5 & 2 \\ 4 & -2 \end{bmatrix}, \quad , Ans_{13} = \begin{bmatrix} 0 \\ 2 \\ 6 \end{bmatrix}, \quad , Ans_{14} = \begin{bmatrix} 3 & -9 \\ -3 & 12 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 6 & -1 \\ -1 & 9 \end{bmatrix}, \quad , Ans_{16} = \begin{bmatrix} 8 & -2 & 0 \\ -2 & 5 & 3 \\ 0 & 3 & 2 \end{bmatrix}, \quad , Ans_{17} = \begin{bmatrix} -3 & 26 \\ 8 & -27 \end{bmatrix}, \quad , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9721

ExerciseMatrices01 Answers for No.9721

$$Ans_1 = \begin{bmatrix} -4 & 5 & 5 & 1 \\ -6 & 5 & 5 & 2 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} -1 & 7 \\ 4 & -5 \\ -3 & 4 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} -2 & -2 & -3 \\ 2 & 2 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-1 \quad 2 \quad -1], \; , Ans_5 = \begin{bmatrix} 0 & -9 \\ 2 & 10 \\ 0 & -1 \\ -6 & -5 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} 8 & -5 & -2 \\ -8 & 8 & -11 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \; , Ans_8 = \begin{bmatrix} -14 & 2 \\ 2 & -8 \\ 9 & 13 \end{bmatrix}, \; , Ans_9 = \begin{bmatrix} 13 & 5 \\ 2 & 5 \\ -11 & -8 \end{bmatrix}, \; , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \; , Ans_{12} = \begin{bmatrix} 12 & -12 \\ 6 & -6 \\ -9 & 5 \end{bmatrix}, \; , Ans_{13} = \begin{bmatrix} -3 \\ -6 \\ 5 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 9 & -9 \\ -9 & 18 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 17 & -5 \\ -5 & 9 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 8 & 8 & 4 \\ 8 & 8 & 4 \\ 4 & 4 & 10 \end{bmatrix}, \; , Ans_{17} = \begin{bmatrix} -10 & 22 \\ 22 & -45 \end{bmatrix}, \; , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9789

ExerciseMatrices01 Answers for No.9789

$$Ans_1 = \begin{bmatrix} -1 & -2 \\ -3 & 1 \\ -1 & 4 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} 1 & 5 & -1 & -1 \\ -6 & 5 & -3 & 5 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} -2 & -1 & -3 \\ -3 & 2 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 2 & -3 & -2 \end{bmatrix}, \; , Ans_5 = \begin{bmatrix} -3 & 0 & -7 \\ -5 & -5 & 2 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} -4 & -1 \\ 0 & -9 \\ 7 & 2 \\ -1 & 0 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 4 & 1 & -4 \\ 1 & -9 & -4 \end{bmatrix}, \; , Ans_8 = \text{"undefined"}, \; , Ans_9 = \text{"undefined"}, \; , Ans_{10} = \begin{bmatrix} -17 & -10 \\ 9 & 8 \\ -5 & 2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \; , Ans_{12} = \begin{bmatrix} 4 & 6 \\ -9 & -3 \\ 3 & -13 \end{bmatrix}, \; , Ans_{13} = \begin{bmatrix} -4 \\ -6 \\ 19 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} -2 & -1 \\ 2 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 14 & 7 \\ 7 & 14 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 13 & -4 & 9 \\ -4 & 5 & 1 \\ 9 & 1 & 10 \end{bmatrix}, \; , Ans_{17} = \begin{bmatrix} 18 & 9 \\ 3 & 16 \end{bmatrix}, \; , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9795

ExerciseMatrices01 Answers for No.9795

$$Ans_1 = \begin{bmatrix} 3 & 3 \\ 2 & -1 \\ 3 & 3 \end{bmatrix},\ , Ans_2 = \begin{bmatrix} 3 & -6 & 2 & -7 \\ -6 & 2 & 6 & 3 \end{bmatrix},\ , Ans_3 = \begin{bmatrix} -3 & -2 \\ -3 & 2 \\ 3 & -1 \end{bmatrix},\ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-1 \quad -1 \quad 3],\ , Ans_5 = \begin{bmatrix} 8 & 4 & 6 \\ -1 & -4 & 8 \end{bmatrix},\ , Ans_6 = \begin{bmatrix} -1 & 3 \\ 13 & -4 \\ 2 & -1 \\ 13 & 0 \end{bmatrix},\ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 0 & 6 & 7 \\ -11 & 4 & 0 \end{bmatrix},\ , Ans_8 = \text{"undefined"},\ , Ans_9 = \text{"undefined"},\ , Ans_{10} = \begin{bmatrix} 12 & 18 \\ -14 & -20 \\ -15 & 12 \end{bmatrix},\ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -6 & -6 & 9 \\ 4 & -6 & -3 \end{bmatrix},\ , Ans_{12} = \text{"undefined"},\ , Ans_{13} = \begin{bmatrix} -3 \\ -3 \\ 7 \end{bmatrix},\ , Ans_{14} = \begin{bmatrix} 4 & 0 \\ 0 & 4 \end{bmatrix},\ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 13 & 5 & -7 \\ 5 & 13 & -11 \\ -7 & -11 & 10 \end{bmatrix},\ , Ans_{16} = \begin{bmatrix} 27 & -3 \\ -3 & 9 \end{bmatrix},\ , Ans_{17} = \text{"undefined"},\ , Ans_{18} = \begin{bmatrix} -19 & 3 \\ 3 & -1 \end{bmatrix},\ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9839

ExerciseMatrices01 Answers for No.9839

$$Ans_1 = \begin{bmatrix} 2 & -2 \\ -6 & 2 \\ 6 & 7 \\ 5 & 3 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 1 & -6 & -7 \\ -5 & 2 & 2 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -3 & -2 & -3 \\ 2 & 2 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-2 \quad -2 \quad -1], \ , Ans_5 = \begin{bmatrix} 9 & -12 & 7 & -2 \\ 1 & 4 & 3 & 1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 1 & 10 \\ 1 & -1 \\ 11 & 5 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 4 & 11 & -3 \\ 0 & 3 & -1 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -17 & -24 & -10 \\ -20 & -10 & -16 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} 3 & -4 \\ 3 & 9 \\ -9 & -3 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 4 \\ -3 \\ -3 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & -9 \\ -9 & 18 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 22 & -7 \\ -7 & 9 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 13 & 10 & 7 \\ 10 & 8 & 4 \\ 7 & 4 & 10 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} 4 & 11 \\ 11 & -27 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9843
ExerciseMatrices01 Answers for No.9843

$$Ans_1 = \begin{bmatrix} -6 & -4 \\ -3 & 6 \\ -1 & 3 \\ 1 & -6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 1 & -7 & -5 \\ 3 & -4 & -7 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -1 & 1 & 3 \\ 1 & -1 & -3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [2 \quad 1 \quad -1], \ , Ans_5 = \begin{bmatrix} -4 & -8 & -2 & -5 \\ -1 & 13 & 8 & -13 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 5 & -10 \\ 3 & 11 \\ 1 & 12 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -7 & 11 & 7 \\ 14 & -3 & -11 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 3 & -21 & -11 \\ -11 & -12 & 5 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} 5 & -5 \\ -11 & 11 \\ -2 & 2 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} -3 \\ 7 \\ 4 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 6 & 4 \\ 2 & 2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 11 & -11 \\ -11 & 11 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 2 & -2 & -6 \\ -2 & 2 & 6 \\ -6 & 6 & 18 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} -7 & -23 \\ -17 & 5 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9854

ExerciseMatrices01 Answers for No.9854

$$Ans_1 = \begin{bmatrix} 3 & -1 & 2 \\ 2 & -2 & -6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 3 & -5 \\ -4 & 4 \\ 1 & 6 \\ -6 & 6 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -3 & -1 \\ 3 & -1 \\ -3 & -2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad 3 \quad 2], \ , Ans_5 = \begin{bmatrix} 6 & 6 \\ 2 & -6 \\ 3 & -7 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -4 & -3 & -2 & -1 \\ -2 & -9 & -7 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -3 & 6 \\ -4 & -10 \\ -1 & 4 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 15 & 22 & 4 \\ -8 & 20 & -9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 6 & -12 & 9 \\ -5 & 1 & -3 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 0 \\ -12 \\ 0 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 3 & 3 \\ 1 & 4 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 10 & -8 & 11 \\ -8 & 10 & -7 \\ 11 & -7 & 13 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 27 & 6 \\ 6 & 6 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -21 & 0 \\ -4 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.9862
ExerciseMatrices01 Answers for No.9862

$$Ans_1 = \begin{bmatrix} -3 & 1 \\ 6 & -6 \\ 5 & 3 \\ -3 & -7 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -4 & 7 & 5 \\ -1 & -2 & -1 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 3 & -1 & 1 \\ -2 & -1 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [3 \quad -3 \quad -2], \ , Ans_5 = \begin{bmatrix} 1 & 5 & -1 & 0 \\ 3 & -4 & 1 & 0 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -3 & -2 \\ -3 & 6 \\ 1 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 5 & -9 & -8 \\ -4 & -1 & -5 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 2 & 22 & 11 \\ 20 & -11 & 11 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} 3 & -2 \\ 3 & 3 \\ 9 & -8 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 3 \\ 9 \\ 19 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 4 & 0 \\ 1 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 11 & -3 \\ -3 & 9 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 13 & -1 & -1 \\ -1 & 2 & -3 \\ -1 & -3 & 5 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} 3 & -3 \\ -5 & 7 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.10278

ExerciseMatrices01 Answers for No.10278

$$Ans_1 = \begin{bmatrix} -7 & -5 \\ 2 & 7 \\ 5 & -6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -3 & 7 & -4 & 7 \\ 4 & 5 & -2 & -4 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -2 & 2 & -1 \\ 1 & 2 & -2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-1 \quad 3 \quad 2], \ , Ans_5 = \begin{bmatrix} 0 & 4 & 3 \\ -4 & 9 & -3 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 10 & -3 \\ -14 & -4 \\ 11 & 9 \\ -5 & 2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 6 & 8 & -1 \\ 7 & 7 & -1 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 10 & -13 \\ -20 & -22 \\ -8 & 18 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} -2 & -4 \\ 1 & 2 \\ 1 & -11 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 4 \\ -2 \\ 6 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & 0 \\ 0 & 9 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 9 & 4 \\ 4 & 9 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 5 & -2 & 0 \\ -2 & 8 & -6 \\ 0 & -6 & 5 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} -9 & 4 \\ 4 & -9 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.10361

ExerciseMatrices01 Answers for No.10361

$$Ans_1 = \begin{bmatrix} 4 & -5 \\ 4 & 3 \\ 7 & 1 \\ 1 & -2 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 7 & -2 & -1 \\ 3 & -7 & 4 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -1 & 2 \\ -1 & 1 \\ -3 & -3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 2 & 1 & 1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} 2 & 9 & 14 & -4 \\ -2 & 1 & -1 & -9 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -11 & 3 \\ 8 & 10 \\ -6 & -11 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 1 & 0 & 2 \\ -11 & -4 & 9 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 13 & -14 & 9 \\ 13 & -5 & 0 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 0 & -3 & -5 \\ 0 & 4 & 0 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 2 \\ 3 \\ 1 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 6 & -4 \\ -6 & 10 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & 3 & -3 \\ 3 & 2 & 0 \\ -3 & 0 & 18 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 11 & 6 \\ 6 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} 7 & -18 \\ -24 & 16 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.10532
ExerciseMatrices01 Answers for No.10532

$$Ans_1 = \begin{bmatrix} 4 & -7 \\ 7 & -5 \\ 1 & -5 \\ -1 & -3 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} -5 & 6 & 5 \\ 1 & -7 & 4 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} -1 & -2 \\ -1 & 2 \\ 3 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad 3 \quad -3], \; , Ans_5 = \begin{bmatrix} 1 & 9 & 4 & -8 \\ 0 & -7 & -2 & -1 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} 0 & -5 \\ -10 & 10 \\ -2 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \; , Ans_8 = \begin{bmatrix} 8 & 8 & -4 \\ 8 & -1 & -9 \end{bmatrix}, \; , Ans_9 = \begin{bmatrix} -14 & -6 & 8 \\ -11 & -13 & 13 \end{bmatrix}, \; , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 11 & -3 & 1 \\ -17 & -6 & 2 \end{bmatrix}, \; , Ans_{12} = \text{"undefined"}, \; , Ans_{13} = \begin{bmatrix} 9 \\ 9 \\ -9 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 4 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & -3 & 3 \\ -3 & 5 & -9 \\ 3 & -9 & 18 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 11 & -9 \\ -9 & 17 \end{bmatrix}, \; , Ans_{17} = \text{"undefined"}, \; , Ans_{18} = \begin{bmatrix} -9 & 9 \\ 17 & -15 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.10688

ExerciseMatrices01 Answers for No.10688

$$Ans_1 = \begin{bmatrix} -6 & 6 \\ 3 & 1 \\ 7 & -6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 7 & 5 & 3 & -4 \\ -5 & -1 & 5 & -5 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -1 & 3 & -3 \\ -2 & -2 & -3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -2 & -1 & 1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -8 & 5 & 12 \\ 7 & 0 & -5 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -11 & 2 \\ -4 & -1 \\ -9 & -9 \\ 2 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -6 & -2 & 2 \\ -4 & -8 & 0 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 14 & 4 \\ 5 & 13 \\ -1 & 8 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} -8 & -7 \\ -9 & 6 \\ 15 & 0 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 5 \\ 3 \\ -5 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 18 & 9 \\ 9 & 9 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 19 & 5 \\ 5 & 17 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 5 & 1 & 9 \\ 1 & 13 & -3 \\ 9 & -3 & 18 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} -35 & -22 \\ -22 & -10 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.10868

ExerciseMatrices01 Answers for No.10868

$$Ans_1 = \begin{bmatrix} 4 & -1 & -3 \\ -7 & -5 & -2 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -6 & -7 \\ 1 & -7 \\ -1 & 4 \\ 3 & 7 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & -1 \\ 2 & 2 \\ 1 & 3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 2 & -1 & 3 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} 7 & -9 \\ 6 & -1 \\ -2 & 1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 5 & -4 & -3 & -1 \\ 14 & 3 & -11 & -12 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 1 & 5 \\ 9 & 8 \\ -3 & 10 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 2 & -5 & 15 \\ -14 & -7 & -19 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 3 & -3 & -3 \\ 9 & 3 & 12 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -9 \\ 3 \\ 12 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & 2 \\ 0 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & 2 & -1 \\ 2 & 8 & 8 \\ -1 & 8 & 10 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 9 & 5 \\ 5 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} 9 & -1 \\ -5 & -12 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.10900

ExerciseMatrices01 Answers for No.10900

$$Ans_1 = \begin{bmatrix} -7 & 2 \\ -7 & 7 \\ -1 & 1 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -5 & 4 & 3 & -2 \\ -2 & 2 & -6 & -2 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -1 & -3 \\ -2 & -1 \\ 1 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [2 \quad 2 \quad -2], \ , Ans_5 = \begin{bmatrix} -11 & -8 & -4 \\ -1 & 11 & -4 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 2 & 1 \\ -5 & 0 \\ 0 & 3 \\ 9 & 5 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -7 & -5 & -5 \\ 1 & 3 & -12 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 13 & -10 \\ 15 & -5 \\ 5 & 13 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -4 & 1 & -2 \\ -2 & 8 & 12 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -4 \\ 6 \\ 6 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 10 & 5 & 8 \\ 5 & 5 & 1 \\ 8 & 1 & 10 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 6 & 2 \\ 2 & 19 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -3 & -2 \\ -2 & -16 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.11693

ExerciseMatrices01 Answers for No.11693

$$Ans_1 = \begin{bmatrix} -7 & -6 \\ 3 & 1 \\ -5 & -6 \\ -4 & 6 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} 1 & -6 & 5 \\ 6 & -5 & -1 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} -2 & 1 \\ 3 & 3 \\ 1 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-2 \quad 3 \quad -2], \; , Ans_5 = \begin{bmatrix} -2 & 1 & -11 & -5 \\ -10 & -3 & -5 & 11 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} 4 & -13 \\ 12 & 9 \\ -1 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \; , Ans_8 = \begin{bmatrix} -3 & -8 & -6 \\ 14 & -3 & -2 \end{bmatrix}, \; , Ans_9 = \begin{bmatrix} -5 & 0 & 11 \\ -15 & -8 & 11 \end{bmatrix}, \; , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 5 & -9 & 2 \\ -2 & -9 & 4 \end{bmatrix}, \; , Ans_{12} = \text{"undefined"}, \; , Ans_{13} = \begin{bmatrix} 6 \\ -11 \\ 4 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 2 & 1 \\ 1 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & -3 & -3 \\ -3 & 18 & 0 \\ -3 & 0 & 2 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 14 & 6 \\ 6 & 11 \end{bmatrix}, \; , Ans_{17} = \text{"undefined"}, \; , Ans_{18} = \begin{bmatrix} -10 & -4 \\ -4 & -9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.12097

ExerciseMatrices01 Answers for No.12097

$$Ans_1 = \begin{bmatrix} -1 & 1 & 5 & 1 \\ -6 & 3 & 4 & -1 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 7 & -6 \\ 4 & -4 \\ 1 & -3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -1 & 2 & 2 \\ 1 & 3 & -3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -2 & -1 & 2 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -3 & -10 \\ 7 & -3 \\ 10 & -2 \\ 5 & -7 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -8 & -9 & 2 \\ 4 & 11 & 2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -1 & 7 \\ 4 & -11 \\ -1 & 7 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 11 & -16 \\ 6 & 4 \\ -3 & -15 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} 8 & -11 \\ 3 & -4 \\ 6 & -9 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 10 \\ 4 \\ 6 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 9 & -1 \\ -1 & 19 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 2 & 1 & -5 \\ 1 & 13 & -5 \\ -5 & -5 & 13 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} 6 & -1 \\ -1 & 16 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.12172

ExerciseMatrices01 Answers for No.12172

$$Ans_1 = \begin{bmatrix} 7 & 4 \\ 6 & -5 \\ 6 & -3 \\ 3 & -6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 2 & -5 & 1 \\ -2 & 6 & 3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 1 & -2 \\ -3 & 2 \\ 2 & -2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [3 \quad 2 \quad -1], \ , Ans_5 = \begin{bmatrix} 4 & 3 & 1 & 0 \\ -1 & -9 & -10 & 1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 1 & -3 \\ 4 & 1 \\ -7 & 0 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -4 & -3 & 13 \\ 12 & -13 & 2 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 5 & 7 & -20 \\ -23 & 24 & -12 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 7 & 0 & 0 \\ -4 & 4 & 0 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -9 \\ -8 \\ 3 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & 0 \\ -2 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & -7 & 6 \\ -7 & 13 & -10 \\ 6 & -10 & 8 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 14 & -12 \\ -12 & 12 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} 4 & 12 \\ 8 & -10 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.12173

ExerciseMatrices01 Answers for No.12173

$$Ans_1 = \begin{bmatrix} -5 & -4 & 6 & 4 \\ 7 & 6 & 1 & -2 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -6 & -2 \\ -4 & 5 \\ -1 & -3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & 1 \\ -3 & 2 \\ 3 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -3 & -1 & 2 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -6 & 12 \\ -2 & 8 \\ 12 & 2 \\ 7 & 4 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 7 & 8 & 4 \\ -4 & -10 & -2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -5 & 5 \\ -9 & 11 \\ -2 & 10 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 2 & 0 \\ 6 & -7 \\ -3 & -13 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 4 & 2 & -15 \\ -5 & 1 & 6 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -4 \\ 6 \\ -6 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 12 & 9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & -4 & 3 \\ -4 & 13 & -15 \\ 3 & -15 & 18 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 22 & -13 \\ -13 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -19 & 13 \\ 49 & 13 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.12180

ExerciseMatrices01 Answers for No.12180

$$Ans_1 = \begin{bmatrix} 3 & -7 & 2 & 7 \\ 4 & 7 & 5 & -1 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -5 & 7 \\ -1 & -1 \\ -3 & 2 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 1 & 3 & 3 \\ 2 & -3 & -2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -1 & 1 & -2 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} 8 & 11 \\ -3 & 2 \\ 4 & 0 \\ 5 & 3 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 7 & -4 & 6 \\ -10 & -3 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 2 & -2 \\ 3 & 6 \\ -6 & 0 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -13 & 17 \\ 3 & -5 \\ 3 & 0 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} -3 & -6 \\ -1 & -2 \\ -16 & 10 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 3 \\ 1 \\ 5 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} -2 & 4 \\ -2 & 2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 19 & -13 \\ -13 & 17 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 5 & -3 & -1 \\ -3 & 18 & 15 \\ -1 & 15 & 13 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} 25 & -25 \\ -7 & 11 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.12256

ExerciseMatrices01 Answers for No.12256

$$Ans_1 = \begin{bmatrix} -2 & 7 & -1 & 6 \\ -5 & -5 & -1 & 3 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 3 & 4 \\ -3 & 3 \\ -5 & 5 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -3 & 2 \\ -1 & -3 \\ -1 & 3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 3 & 1 & 1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -9 & -10 \\ 3 & -12 \\ 3 & 1 \\ 0 & 0 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -5 & -3 & 0 \\ 2 & 0 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 6 & -11 \\ 9 & -4 \\ 0 & -11 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -5 & 14 \\ -9 & 5 \\ 5 & 15 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -1 & -5 & -2 \\ -15 & 1 & 6 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 2 \\ 9 \\ -5 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 6 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 13 & -3 & 9 \\ -3 & 10 & -8 \\ 9 & -8 & 10 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 11 & -6 \\ -6 & 22 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -8 & 6 \\ 24 & -19 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.12278
ExerciseMatrices01 Answers for No.12278

$$Ans_1 = \begin{bmatrix} 1 & -6 & -7 & -7 \\ 3 & -2 & -6 & -7 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 3 & 1 \\ -5 & -7 \\ 2 & -3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & 3 \\ 2 & 1 \\ -1 & -2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -1 & -3 & -2 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -1 & 7 \\ -9 & -7 \\ 0 & -10 \\ -10 & -1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -8 & 12 & 1 \\ 3 & 2 & 9 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -1 & -3 \\ -1 & 4 \\ 0 & -4 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 15 & -1 \\ -17 & -5 \\ -4 & -7 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -6 & -5 & 6 \\ -5 & -8 & 9 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 1 \\ 2 \\ -3 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 5 & 6 \\ -6 & -4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 13 & 7 & -8 \\ 7 & 5 & -4 \\ -8 & -4 & 5 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 9 & 10 \\ 10 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} 6 & 8 \\ -28 & -26 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.12482

ExerciseMatrices01 Answers for No.12482

$$Ans_1 = \begin{bmatrix} 5 & -5 & 6 & -7 \\ 1 & -2 & -6 & 7 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} -1 & -7 \\ 2 & -1 \\ -4 & 2 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} 3 & -1 & 1 \\ -1 & 1 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad -3 \quad -1], \; , Ans_5 = \begin{bmatrix} -1 & -2 \\ 0 & 3 \\ 5 & 1 \\ -11 & 2 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} 3 & -3 & 1 \\ 0 & -1 & -6 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \; , Ans_8 = \begin{bmatrix} -3 & 8 \\ -6 & -4 \\ 9 & 7 \end{bmatrix}, \; , Ans_9 = \begin{bmatrix} 1 & -9 \\ 16 & 11 \\ -16 & -4 \end{bmatrix}, \; , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \; , Ans_{12} = \begin{bmatrix} -2 & 2 \\ 12 & -8 \\ 6 & -2 \end{bmatrix}, \; , Ans_{13} = \begin{bmatrix} 2 \\ 0 \\ -6 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 4 & 0 \\ 5 & 9 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 11 & -5 \\ -5 & 3 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 10 & -4 & 4 \\ -4 & 2 & -2 \\ 4 & -2 & 2 \end{bmatrix}, \; , Ans_{17} = \begin{bmatrix} -1 & -5 \\ -20 & -24 \end{bmatrix}, \; , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.12586
ExerciseMatrices01 Answers for No.12586

$$Ans_1 = \begin{bmatrix} -2 & -6 & 5 & 4 \\ -4 & 5 & 2 & 7 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} 6 & 4 \\ 5 & 2 \\ -7 & -6 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} -2 & -2 \\ 2 & 1 \\ 2 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-1 \quad 3 \quad 3], \; , Ans_5 = \begin{bmatrix} 2 & -3 \\ -5 & 4 \\ 10 & -2 \\ 3 & 3 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} -4 & 0 & 13 \\ -5 & -9 & 11 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \; , Ans_8 = \begin{bmatrix} -5 & -1 \\ -4 & 1 \\ 1 & -10 \end{bmatrix}, \; , Ans_9 = \begin{bmatrix} 12 & 8 \\ 3 & 14 \\ -21 & 4 \end{bmatrix}, \; , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 0 & 0 & 6 \\ 1 & 0 & 6 \end{bmatrix}, \; , Ans_{12} = \text{"undefined"}, \; , Ans_{13} = \begin{bmatrix} -8 \\ -6 \\ 7 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 8 & -6 & -6 \\ -6 & 5 & 5 \\ -6 & 5 & 5 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 12 & 8 \\ 8 & 6 \end{bmatrix}, \; , Ans_{17} = \text{"undefined"}, \; , Ans_{18} = \begin{bmatrix} -9 & -8 \\ -8 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.12677
ExerciseMatrices01 Answers for No.12677

$$Ans_1 = \begin{bmatrix} 5 & 4 & -7 & 6 \\ 6 & 6 & 3 & -4 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -4 & 1 \\ -1 & 1 \\ 7 & -3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -1 & 3 \\ -1 & -1 \\ -3 & 2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -3 & 3 & 2 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -2 & 8 \\ 2 & 4 \\ -11 & 5 \\ 8 & -8 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 7 & -3 & -12 \\ 0 & 5 & 7 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 2 & 0 \\ 5 & -12 \\ 1 & -10 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -14 & -1 \\ -3 & 13 \\ 15 & 9 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -8 & -6 & -1 \\ 7 & -1 & 3 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 2 \\ 12 \\ -6 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 2 & 9 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 10 & -2 & 9 \\ -2 & 2 & 1 \\ 9 & 1 & 13 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 11 & -8 \\ -8 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -8 & 8 \\ 14 & 13 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.13490
ExerciseMatrices01 Answers for No.13490

$$Ans_1 = \begin{bmatrix} -1 & -4 \\ -2 & -3 \\ 3 & 5 \\ 2 & 6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 2 & -7 & 2 \\ -4 & -4 & 3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -2 & -3 \\ 1 & 3 \\ -1 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-1 \quad 1 \quad 2], \ , Ans_5 = \begin{bmatrix} -4 & -9 & 9 & -3 \\ 3 & -5 & 8 & 9 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -3 & -2 \\ 2 & 10 \\ -9 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -6 & 7 & 11 \\ 11 & -10 & -7 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 23 & -13 & -10 \\ -19 & 8 & 12 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -5 & 2 & -4 \\ -5 & -2 & 0 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -2 \\ -2 \\ 3 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & 5 \\ 0 & 4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 13 & -11 & -1 \\ -11 & 10 & 2 \\ -1 & 2 & 2 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 6 & 8 \\ 8 & 19 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} 12 & 2 \\ -8 & -11 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.13500
ExerciseMatrices01 Answers for No.13500

$$Ans_1 = \begin{bmatrix} -1 & -4 \\ -7 & -4 \\ 3 & 3 \\ 6 & -1 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 2 & -6 & -4 \\ 1 & -7 & -1 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 3 & 1 \\ -1 & -1 \\ -3 & 2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad 2 \quad -1], \ , Ans_5 = \begin{bmatrix} -7 & -9 & -4 & 13 \\ 2 & -11 & -2 & 1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 2 & -3 \\ 7 & 6 \\ 10 & -4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -2 & -8 & -7 \\ -3 & -5 & 8 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -4 & 15 & -1 \\ 16 & 11 & -10 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 9 & -3 & 0 \\ 2 & -7 & 0 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -9 \\ 9 \\ -1 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} -9 & 9 \\ -9 & 0 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 10 & -4 & -7 \\ -4 & 2 & 1 \\ -7 & 1 & 13 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 19 & -2 \\ -2 & 6 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -37 & 20 \\ -16 & -6 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.13637

ExerciseMatrices01 Answers for No.13637

$$Ans_1 = \begin{bmatrix} 7 & 3 & -7 \\ -3 & 5 & -7 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 4 & 1 \\ 3 & 3 \\ -6 & 7 \\ 1 & 6 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 3 & 3 \\ -3 & -2 \\ 1 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [2 \quad 1 \quad -1], \ , Ans_5 = \begin{bmatrix} 0 & -1 \\ -4 & 3 \\ -10 & 0 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -6 & 2 & -1 & -7 \\ 5 & -8 & -4 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -10 & 8 \\ -14 & 0 \\ -8 & 5 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} -1 & 11 & 17 \\ -9 & -9 & 11 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 16 & 3 & 0 \\ 11 & 5 & 0 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 7 \\ -4 \\ 2 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 4 & 6 \\ 6 & 13 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 18 & -15 & 0 \\ -15 & 13 & -1 \\ 0 & -1 & 2 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 19 & 14 \\ 14 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -7 & 4 \\ 4 & 25 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645101

ExerciseMatrices01 Answers for No.645101

$$Ans_1 = \begin{bmatrix} 5 & 1 \\ 2 & -1 \\ -5 & 3 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} 4 & -3 & 3 & -7 \\ 6 & 5 & -2 & 1 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} -1 & 3 & -2 \\ 1 & 1 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 1 & -1 & -3 \end{bmatrix}, \; , Ans_5 = \begin{bmatrix} 3 & 3 & 2 \\ 2 & 1 & 9 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} -2 & -11 \\ 5 & -8 \\ -9 & 3 \\ 11 & 4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 5 & 5 & 6 \\ 0 & 8 & 1 \end{bmatrix}, \; , Ans_8 = \text{"undefined"}, \; , Ans_9 = \text{"undefined"}, \; , Ans_{10} = \begin{bmatrix} -19 & 1 \\ -10 & -11 \\ 7 & 7 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \; , Ans_{12} = \begin{bmatrix} -2 & 2 \\ 0 & -1 \\ -10 & -2 \end{bmatrix}, \; , Ans_{13} = \begin{bmatrix} 2 \\ -11 \\ 4 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 9 & -3 \\ 0 & 4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 14 & 4 \\ 4 & 3 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 2 & -2 & 1 \\ -2 & 10 & -7 \\ 1 & -7 & 5 \end{bmatrix}, \; , Ans_{17} = \begin{bmatrix} -13 & 13 \\ 4 & -9 \end{bmatrix}, \; , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645102

ExerciseMatrices01 Answers for No.645102

$$Ans_1 = \begin{bmatrix} 6 & 4 \\ 7 & -2 \\ -3 & 5 \\ 6 & 6 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} -4 & -2 & -2 \\ 1 & -1 & -4 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} 1 & 2 \\ 3 & -3 \\ 3 & 3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad 2 \quad -3], \; , Ans_5 = \begin{bmatrix} 12 & 4 & 4 & 3 \\ 1 & 4 & -1 & -1 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} 9 & -5 \\ -1 & 0 \\ 3 & -2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \; , Ans_8 = \begin{bmatrix} -7 & 4 & 0 \\ 2 & -1 & -1 \end{bmatrix}, \; , Ans_9 = \begin{bmatrix} 2 & -5 & -5 \\ 7 & 5 & 17 \end{bmatrix}, \; , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -3 & -1 & 2 \\ 3 & -14 & 4 \end{bmatrix}, \; , Ans_{12} = \text{"undefined"}, \; , Ans_{13} = \begin{bmatrix} -8 \\ 7 \\ -4 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 7 & 2 \\ 3 & 6 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & -3 & 9 \\ -3 & 18 & 0 \\ 9 & 0 & 18 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 19 & 2 \\ 2 & 22 \end{bmatrix}, \; , Ans_{17} = \text{"undefined"}, \; , Ans_{18} = \begin{bmatrix} -5 & 2 \\ 4 & -10 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645103

ExerciseMatrices01 Answers for No.645103

$$Ans_1 = \begin{bmatrix} -4 & 2 & 1 & 6 \\ 5 & 2 & 4 & -7 \end{bmatrix},\ , Ans_2 = \begin{bmatrix} -5 & -3 \\ 3 & 3 \\ 5 & 3 \end{bmatrix},\ , Ans_3 = \begin{bmatrix} -3 & -1 \\ 3 & -3 \\ -3 & 3 \end{bmatrix},\ \ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad 1 \quad 2],\ , Ans_5 = \begin{bmatrix} -2 & 6 \\ 3 & 6 \\ 8 & 2 \\ 12 & -8 \end{bmatrix},\ , Ans_6 = \begin{bmatrix} 8 & 3 & -8 \\ 9 & 1 & -5 \end{bmatrix},\ \ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"},\ , Ans_8 = \begin{bmatrix} -5 & -13 \\ -1 & 3 \\ 2 & 6 \end{bmatrix},\ , Ans_9 = \begin{bmatrix} -1 & 11 \\ -7 & -11 \\ 7 & -5 \end{bmatrix},\ , Ans_{10} = \text{"undefined"},\ \ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -15 & -6 & 0 \\ 3 & -2 & 4 \end{bmatrix},\ , Ans_{12} = \text{"undefined"},\ , Ans_{13} = \begin{bmatrix} -9 \\ 6 \\ 2 \end{bmatrix},\ , Ans_{14} = \begin{bmatrix} 9 & 0 \\ 3 & 4 \end{bmatrix},\ \ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 10 & -6 & 6 \\ -6 & 18 & -18 \\ 6 & -18 & 18 \end{bmatrix},\ , Ans_{16} = \begin{bmatrix} 27 & -15 \\ -15 & 19 \end{bmatrix},\ , Ans_{17} = \text{"undefined"},\ , Ans_{18} = \begin{bmatrix} 0 & 15 \\ 24 & -7 \end{bmatrix},\ \ , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645104

ExerciseMatrices01 Answers for No.645104

$$Ans_1 = \begin{bmatrix} 3 & -3 \\ 3 & 2 \\ -4 & 4 \\ 1 & 4 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -6 & -6 & 1 \\ -4 & -2 & 3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -2 & -2 \\ -3 & -1 \\ -2 & -3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 3 & 3 & 1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -1 & 0 & -7 & 7 \\ 2 & 0 & 1 & -1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 10 & -2 \\ 2 & 7 \\ -7 & 4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -1 & 8 & 2 \\ 12 & -1 & -12 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -15 & -18 & 13 \\ -22 & -14 & 18 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 3 & 9 & -13 \\ 8 & 3 & -9 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 0 \\ -3 \\ -7 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} -2 & -3 \\ 6 & 7 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 8 & 8 & 10 \\ 8 & 10 & 9 \\ 10 & 9 & 13 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 17 & 13 \\ 13 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -21 & -19 \\ -1 & 0 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645105

ExerciseMatrices01 Answers for No.645105

$$Ans_1 = \begin{bmatrix} 7 & -2 \\ -4 & -4 \\ 7 & -7 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} -1 & 3 & -1 & -4 \\ 3 & 6 & 2 & -1 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} 2 & -2 \\ 2 & 2 \\ 2 & -3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 3 & -2 & 1 \end{bmatrix}, \; , Ans_5 = \begin{bmatrix} 4 & -6 & 2 \\ -7 & -11 & -10 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} -5 & -8 \\ 3 & -3 \\ 8 & 2 \\ 11 & 0 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 3 & 5 & 2 \\ -9 & 0 & -9 \end{bmatrix}, \; , Ans_8 = \text{"undefined"}, \; , Ans_9 = \text{"undefined"}, \; , Ans_{10} = \begin{bmatrix} -25 & 14 \\ -17 & -17 \\ -28 & 25 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -2 & -2 & 2 \\ 0 & -2 & -8 \end{bmatrix}, \; , Ans_{12} = \text{"undefined"}, \; , Ans_{13} = \begin{bmatrix} -9 \\ 1 \\ 8 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} -2 & 1 \\ -2 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 8 & 0 & 10 \\ 0 & 8 & -2 \\ 10 & -2 & 13 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 12 & -6 \\ -6 & 17 \end{bmatrix}, \; , Ans_{17} = \text{"undefined"}, \; , Ans_{18} = \begin{bmatrix} -16 & 8 \\ 2 & -19 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645106

ExerciseMatrices01 Answers for No.645106

$$Ans_1 = \begin{bmatrix} -2 & -2 & -6 \\ -3 & 3 & 6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -2 & -1 \\ 2 & -7 \\ -5 & 3 \\ 3 & -4 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 3 & 2 \\ 2 & -2 \\ -1 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-2 \quad -3 \quad -1], \ , Ans_5 = \begin{bmatrix} -7 & -6 \\ 3 & 0 \\ 0 & 2 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 8 & 0 & 10 & 0 \\ -1 & 1 & 2 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -7 & -2 \\ 9 & 1 \\ 3 & -8 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 6 & -6 & 12 \\ 1 & -11 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -10 & -11 & -4 \\ -4 & -2 & 4 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 15 \\ 2 \\ -8 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & 4 \\ 0 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 13 & 2 & 1 \\ 2 & 8 & -6 \\ 1 & -6 & 5 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 14 & 0 \\ 0 & 12 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} 13 & 12 \\ 0 & -9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645107

ExerciseMatrices01 Answers for No.645107

$$Ans_1 = \begin{bmatrix} -7 & 7 & 6 \\ 2 & -6 & -6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 3 & 5 \\ 3 & -2 \\ -2 & -3 \\ -3 & -6 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 3 & 1 \\ 2 & -1 \\ -2 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -1 & -3 & -3 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} 0 & -3 \\ 0 & -13 \\ 7 & -11 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -6 & 1 & -4 & -2 \\ -1 & 8 & 6 & 4 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 14 & -2 \\ -12 & -4 \\ 6 & -3 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} -7 & 3 & -16 \\ -8 & 0 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -3 & 3 & 2 \\ -6 & 6 & -1 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -6 \\ -3 \\ -6 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} -9 & 9 \\ -9 & 0 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 10 & 5 & -5 \\ 5 & 5 & -5 \\ -5 & -5 & 5 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 17 & -1 \\ -1 & 3 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -44 & 28 \\ -26 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645108

ExerciseMatrices01 Answers for No.645108

$$Ans_1 = \begin{bmatrix} -5 & 1 \\ 3 & -7 \\ 4 & 1 \\ 3 & -3 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} 4 & -5 & 6 \\ 7 & -3 & -1 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} 3 & -1 & -2 \\ -3 & 3 & -2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad -2 \quad 3], \; , Ans_5 = \begin{bmatrix} -7 & 8 & -2 & 4 \\ 2 & -13 & 8 & -6 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} -6 & -14 \\ 3 & 5 \\ -13 & 4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \; , Ans_8 = \begin{bmatrix} 9 & 6 & 2 \\ 9 & -6 & 3 \end{bmatrix}, \; , Ans_9 = \begin{bmatrix} -10 & -13 & 16 \\ 3 & 5 & -13 \end{bmatrix}, \; , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \; , Ans_{12} = \begin{bmatrix} 3 & -9 \\ -7 & 5 \\ -12 & 18 \end{bmatrix}, \; , Ans_{13} = \begin{bmatrix} 6 \\ 0 \\ 3 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 18 & 9 \\ 9 & 9 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 14 & -8 \\ -8 & 22 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 18 & -12 & 0 \\ -12 & 10 & -4 \\ 0 & -4 & 8 \end{bmatrix}, \; , Ans_{17} = \begin{bmatrix} -40 & -35 \\ -35 & -5 \end{bmatrix}, \; , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645109

ExerciseMatrices01 Answers for No.645109

$$Ans_1 = \begin{bmatrix} 3 & -1 & -6 & 3 \\ 3 & 1 & 3 & -5 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 5 & -5 \\ -3 & -3 \\ -1 & 7 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 1 & 3 & -3 \\ 1 & -3 & -2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 1 & 2 & 1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -1 & 9 \\ -8 & 8 \\ -7 & 4 \\ 0 & -7 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 0 & 5 & 3 \\ 4 & 8 & -8 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 1 & 2 \\ 4 & -10 \\ -6 & -2 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -7 & -7 \\ -15 & 7 \\ 7 & 13 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} 9 & 1 \\ 9 & 1 \\ -3 & -3 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 0 \\ 0 \\ -3 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & 0 \\ 0 & 9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 19 & -2 \\ -2 & 14 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 2 & 0 & -5 \\ 0 & 18 & -3 \\ -5 & -3 & 13 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} -8 & -2 \\ -2 & -13 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645110

ExerciseMatrices01 Answers for No.645110

$$Ans_1 = \begin{bmatrix} 2 & -2 & -6 \\ -2 & 1 & -7 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -4 & -7 \\ 3 & -6 \\ -7 & 4 \\ -3 & 4 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & 1 \\ -2 & -2 \\ -1 & -2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-1 \quad -2 \quad 1], \ , Ans_5 = \begin{bmatrix} 9 & -5 \\ -3 & -6 \\ -3 & -11 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -1 & 3 & 8 & 9 \\ 12 & 10 & -1 & -3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 4 & -6 \\ -4 & -11 \\ -2 & -2 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 7 & 11 & 21 \\ 11 & 11 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -7 & -1 & -4 \\ -10 & 0 & -4 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 0 \\ -2 \\ -1 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} -9 & -3 \\ 3 & -8 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & -6 & -4 \\ -6 & 8 & 6 \\ -4 & 6 & 5 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 9 & 8 \\ 8 & 9 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -27 & -14 \\ -2 & -25 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645111

ExerciseMatrices01 Answers for No.645111

$$Ans_1 = \begin{bmatrix} -6 & 3 & 1 \\ 1 & -4 & 7 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 4 & -2 \\ -7 & 1 \\ 4 & 2 \\ -2 & 5 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & 3 & 2 \\ 2 & -1 & -2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [3 \quad -2 \quad -1], \ , Ans_5 = \begin{bmatrix} -7 & -5 \\ -1 & 0 \\ 0 & 1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 3 & 13 & -1 & 4 \\ 9 & -2 & 1 & -4 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -2 & 0 \\ -6 & 9 \\ -6 & -1 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 9 & 3 & 14 \\ -19 & -11 & -22 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} 4 & 4 \\ 9 & -3 \\ 6 & -6 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 6 \\ -1 \\ -3 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 4 & 1 \\ 3 & 3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 17 & -3 \\ -3 & 9 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 8 & 4 & 0 \\ 4 & 10 & 8 \\ 0 & 8 & 8 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} 9 & -5 \\ -9 & 3 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645112

ExerciseMatrices01 Answers for No.645112

$$Ans_1 = \begin{bmatrix} 4 & 5 & 1 & -3 \\ 7 & -1 & -2 & 3 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 1 & -4 \\ 3 & -7 \\ -5 & 6 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 3 & -3 \\ 2 & -1 \\ 2 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-1 \quad -3 \quad -3], \ , Ans_5 = \begin{bmatrix} 3 & 1 \\ -1 & 2 \\ 0 & -5 \\ 2 & 4 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 1 & -7 & 7 \\ -1 & 8 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -3 & 6 \\ 2 & 4 \\ -6 & 0 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 3 & -6 \\ 7 & -17 \\ 3 & -8 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 2 & 6 & -12 \\ -3 & 3 & 3 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 6 \\ -2 \\ 1 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 2 & 6 \\ 3 & 11 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 18 & 9 & 3 \\ 9 & 5 & 3 \\ 3 & 3 & 5 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 17 & -9 \\ -9 & 11 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -11 & 27 \\ 18 & 22 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645113

ExerciseMatrices01 Answers for No.645113

$$Ans_1 = \begin{bmatrix} -7 & 2 & -6 \\ 7 & 2 & 4 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -6 & -4 \\ -2 & 3 \\ -2 & 4 \\ -4 & 7 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & -3 \\ -1 & 1 \\ -2 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-2 \quad 1 \quad 1], \ , Ans_5 = \begin{bmatrix} -3 & 1 \\ -5 & 8 \\ -7 & 1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 2 & 8 & 3 & 0 \\ -2 & 0 & -3 & -11 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 5 & -3 \\ -5 & 11 \\ -7 & -7 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 4 & -8 & 24 \\ -16 & -17 & 8 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 3 & 7 & 0 \\ 6 & -3 & 0 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 2 \\ -5 \\ 4 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & 0 \\ 15 & 4 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 13 & -5 & -1 \\ -5 & 2 & 1 \\ -1 & 1 & 5 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 9 & -5 \\ -5 & 11 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} 9 & 5 \\ 35 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645114

ExerciseMatrices01 Answers for No.645114

$$Ans_1 = \begin{bmatrix} 3 & -2 & 3 \\ 5 & 6 & -6 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} 5 & -7 \\ -7 & 5 \\ 7 & -2 \\ 1 & 3 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} 2 & 2 \\ -1 & -1 \\ 1 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad 3 \quad -3], \; , Ans_5 = \begin{bmatrix} 7 & 0 \\ 0 & 0 \\ 9 & -12 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} -10 & 13 & -8 & -4 \\ 13 & 2 & -3 & -10 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 3 & 1 \\ -5 & -10 \\ 11 & -11 \end{bmatrix}, \; , Ans_8 = \text{"undefined"}, \; , Ans_9 = \text{"undefined"}, \; , Ans_{10} = \begin{bmatrix} 0 & 23 & -18 \\ -23 & 6 & 21 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 1 & 2 & -2 \\ 13 & 10 & -2 \end{bmatrix}, \; , Ans_{12} = \text{"undefined"}, \; , Ans_{13} = \begin{bmatrix} 0 \\ -6 \\ 3 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 9 & 4 \\ 0 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 8 & -4 & -4 \\ -4 & 2 & 2 \\ -4 & 2 & 10 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 6 & 2 \\ 2 & 14 \end{bmatrix}, \; , Ans_{17} = \text{"undefined"}, \; , Ans_{18} = \begin{bmatrix} 12 & 6 \\ -2 & -12 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645115

ExerciseMatrices01 Answers for No.645115

$$Ans_1 = \begin{bmatrix} 4 & 5 & -4 \\ 5 & 4 & 1 \end{bmatrix}, \quad , Ans_2 = \begin{bmatrix} 6 & 6 \\ -3 & 3 \\ 1 & 1 \\ -6 & 6 \end{bmatrix}, \quad , Ans_3 = \begin{bmatrix} -2 & -2 & -1 \\ -1 & -3 & -3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad 2 \quad 3], \quad , Ans_5 = \begin{bmatrix} 10 & 12 \\ 1 & 0 \\ -6 & 2 \end{bmatrix}, \quad , Ans_6 = \begin{bmatrix} -11 & 2 & 5 & 2 \\ -2 & 2 & -4 & -4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 8 & 2 \\ -6 & -6 \\ -8 & 0 \end{bmatrix}, \quad , Ans_8 = \text{"undefined"}, \quad , Ans_9 = \text{"undefined"}, \quad , Ans_{10} = \begin{bmatrix} -10 & 1 & 22 \\ 10 & 2 & 2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \quad , Ans_{12} = \begin{bmatrix} 4 & 6 \\ -3 & 0 \\ 7 & 6 \end{bmatrix}, \quad , Ans_{13} = \begin{bmatrix} -4 \\ -3 \\ 6 \end{bmatrix}, \quad , Ans_{14} = \begin{bmatrix} 6 & -9 \\ -6 & 15 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 9 & 11 \\ 11 & 19 \end{bmatrix}, \quad , Ans_{16} = \begin{bmatrix} 5 & 7 & 5 \\ 7 & 13 & 11 \\ 5 & 11 & 10 \end{bmatrix}, \quad , Ans_{17} = \begin{bmatrix} -3 & 29 \\ 23 & -11 \end{bmatrix}, \quad , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645116

ExerciseMatrices01 Answers for No.645116

$$Ans_1 = \begin{bmatrix} -6 & 3 \\ -2 & 4 \\ 2 & -5 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 1 & -3 & 7 & -3 \\ 7 & -2 & 7 & -6 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 1 & -2 \\ -1 & -1 \\ -3 & 3 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -1 & 3 & 2 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -8 & 4 & 5 \\ 7 & -1 & -1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -5 & -10 \\ 8 & -3 \\ -3 & -5 \\ 10 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -4 & 13 & 7 \\ 7 & -4 & 0 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 12 & -12 \\ -19 & -7 \\ -14 & 17 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 2 & 3 & 0 \\ -4 & 3 & -3 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -8 \\ -3 \\ -4 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 0 \\ -4 & 9 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & 1 & -9 \\ 1 & 2 & 0 \\ -9 & 0 & 18 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 11 & -10 \\ -10 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -9 & 10 \\ 2 & 4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645117
ExerciseMatrices01 Answers for No.645117

$$Ans_1 = \begin{bmatrix} -2 & 4 & 1 & -5 \\ -3 & 5 & -5 & -2 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} -2 & -4 \\ 2 & -6 \\ 4 & -3 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} -3 & -1 & -2 \\ 2 & -1 & -2 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-1 \quad -3 \quad 2], \; , Ans_5 = \begin{bmatrix} -9 & -4 \\ 5 & -1 \\ 7 & -8 \\ 2 & 2 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} 0 & 3 & -6 \\ 9 & 4 & 6 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \; , Ans_8 = \begin{bmatrix} 5 & 0 \\ -1 & 7 \\ -4 & -6 \end{bmatrix}, \; , Ans_9 = \begin{bmatrix} -8 & -14 \\ -6 & -16 \\ 16 & 3 \end{bmatrix}, \; , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \; , Ans_{12} = \begin{bmatrix} -2 & -12 \\ -4 & -4 \\ 9 & -6 \end{bmatrix}, \; , Ans_{13} = \begin{bmatrix} 2 \\ 4 \\ 3 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 4 & 0 \\ -12 & 4 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 14 & -1 \\ -1 & 9 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 13 & 1 & 2 \\ 1 & 2 & 4 \\ 2 & 4 & 8 \end{bmatrix}, \; , Ans_{17} = \begin{bmatrix} 2 & -1 \\ 35 & -3 \end{bmatrix}, \; , Ans_{18} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645118
ExerciseMatrices01 Answers for No.645118

$$Ans_1 = \begin{bmatrix} 2 & -3 & -6 \\ -1 & -4 & 7 \end{bmatrix},\ , Ans_2 = \begin{bmatrix} 4 & 4 \\ 4 & 2 \\ -7 & 6 \\ -5 & -4 \end{bmatrix},\ , Ans_3 = \begin{bmatrix} -1 & -3 \\ 3 & 3 \\ 3 & -3 \end{bmatrix},\quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [-3 \quad 2 \quad -2],\ , Ans_5 = \begin{bmatrix} -1 & 2 \\ 4 & -10 \\ 1 & 11 \end{bmatrix},\ , Ans_6 = \begin{bmatrix} 0 & -10 & 11 & -1 \\ -5 & -6 & -4 & 9 \end{bmatrix},\quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -8 & 8 \\ 1 & 1 \\ 0 & 8 \end{bmatrix},\ , Ans_8 = \text{"undefined"},\ , Ans_9 = \text{"undefined"},\ , Ans_{10} = \begin{bmatrix} 13 & 21 & 27 \\ -14 & -17 & -19 \end{bmatrix},\quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 6 & -9 & 0 \\ 6 & -9 & 6 \end{bmatrix},\ , Ans_{12} = \text{"undefined"},\ , Ans_{13} = \begin{bmatrix} 15 \\ -4 \\ -3 \end{bmatrix},\ , Ans_{14} = \begin{bmatrix} 4 & 0 \\ 2 & 1 \end{bmatrix},\quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 10 & -12 & 6 \\ -12 & 18 & 0 \\ 6 & 0 & 18 \end{bmatrix},\ , Ans_{16} = \begin{bmatrix} 19 & 3 \\ 3 & 27 \end{bmatrix},\ , Ans_{17} = \text{"undefined"},\ , Ans_{18} = \begin{bmatrix} -11 & -3 \\ 1 & -25 \end{bmatrix},\quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645119

ExerciseMatrices01 Answers for No.645119

$$Ans_1 = \begin{bmatrix} -2 & -5 & -3 \\ -3 & -4 & -4 \end{bmatrix}, \quad Ans_2 = \begin{bmatrix} 2 & -7 \\ -2 & 3 \\ 1 & 2 \\ -2 & 6 \end{bmatrix}, \quad Ans_3 = \begin{bmatrix} -3 & -1 & -1 \\ -1 & 3 & 3 \end{bmatrix}, \quad \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 2 & -1 & 1 \end{bmatrix}, \quad Ans_5 = \begin{bmatrix} 4 & 3 \\ 0 & -2 \\ -7 & -5 \end{bmatrix}, \quad Ans_6 = \begin{bmatrix} -5 & 5 & 6 & -5 \\ 2 & -2 & 1 & -13 \end{bmatrix}, \quad \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 3 & 1 \\ 3 & 7 \\ -9 & 1 \end{bmatrix}, \quad Ans_8 = \text{"undefined"}, \quad Ans_9 = \text{"undefined"}, \quad Ans_{10} = \begin{bmatrix} 11 & 11 & 18 \\ 18 & -11 & -2 \end{bmatrix}, \quad \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \quad Ans_{12} = \begin{bmatrix} -6 & -2 \\ -3 & 9 \\ 7 & 9 \end{bmatrix}, \quad Ans_{13} = \begin{bmatrix} 4 \\ 3 \\ -2 \end{bmatrix}, \quad Ans_{14} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}, \quad \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 11 & -3 \\ -3 & 19 \end{bmatrix}, \quad Ans_{16} = \begin{bmatrix} 10 & 0 & 0 \\ 0 & 10 & 10 \\ 0 & 10 & 10 \end{bmatrix}, \quad Ans_{17} = \begin{bmatrix} 9 & -3 \\ -3 & 17 \end{bmatrix}, \quad Ans_{18} = \text{"undefined"}, \quad \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645120
ExerciseMatrices01 Answers for No.645120

$$Ans_1 = \begin{bmatrix} 7 & -2 & 1 & 7 \\ 4 & -5 & 5 & -3 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 2 & 4 \\ 3 & 3 \\ -4 & 3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & 1 \\ 3 & -1 \\ 3 & -2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 1 & 1 & 1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} 4 & 2 \\ 2 & 0 \\ -5 & 12 \\ 4 & 3 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -9 & -4 & 2 \\ -6 & 2 & -9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 8 & -4 \\ 6 & -1 \\ 7 & -1 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -1 & 22 \\ -12 & -9 \\ -19 & 24 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -13 & 8 & 3 \\ 1 & -1 & -2 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} -1 \\ -1 \\ 1 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 4 & 0 \\ 1 & 9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & 5 & 4 \\ 5 & 10 & 11 \\ 4 & 11 & 13 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 22 & -7 \\ -7 & 6 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -14 & 7 \\ 9 & 12 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645121

ExerciseMatrices01 Answers for No.645121

$$Ans_1 = \begin{bmatrix} 5 & 7 & -2 \\ -3 & 5 & -3 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -3 & 5 \\ -3 & -5 \\ -4 & -6 \\ -4 & -3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 3 & 2 \\ 1 & -3 \\ -3 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -2 & -1 & 1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} 10 & -4 \\ 9 & 12 \\ 3 & 0 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -1 & 7 & -1 & 9 \\ -12 & -1 & 0 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 2 & 3 \\ 9 & 2 \\ 12 & 10 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 1 & -21 & -12 \\ -5 & 5 & -11 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 10 & -1 & 0 \\ 6 & 3 & -1 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 1 \\ -1 \\ 7 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 4 & 4 \\ 4 & 8 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 13 & -3 & -15 \\ -3 & 10 & 6 \\ -15 & 6 & 18 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 19 & 12 \\ 12 & 22 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -7 & 0 \\ 0 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645122

ExerciseMatrices01 Answers for No.645122

$$Ans_1 = \begin{bmatrix} 6 & -1 \\ 6 & -3 \\ -6 & -5 \\ 5 & -6 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -1 & 4 & -6 \\ 1 & -1 & 2 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -2 & -2 & -1 \\ 2 & 2 & -3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [3 \quad -1 \quad -3], \ , Ans_5 = \begin{bmatrix} 0 & 5 & 0 & 1 \\ -5 & 4 & -4 & -5 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 7 & -4 \\ -1 & 7 \\ 3 & -1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} -10 & 2 & 8 \\ 2 & -11 & -3 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} 7 & -6 & -16 \\ 3 & 9 & 6 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} -3 & -9 \\ 4 & 4 \\ -6 & 6 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} -9 \\ -5 \\ 9 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 4 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 9 & -5 \\ -5 & 17 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 8 & 8 & -4 \\ 8 & 8 & -4 \\ -4 & -4 & 10 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} 6 & -5 \\ -17 & 14 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645123

ExerciseMatrices01 Answers for No.645123

$$Ans_1 = \begin{bmatrix} -6 & -2 & 4 \\ -2 & -6 & -7 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 5 & 6 \\ -1 & -4 \\ -4 & 2 \\ 6 & 4 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & -1 \\ 2 & -2 \\ 3 & 3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [3 \quad -1 \quad 3], \ , Ans_5 = \begin{bmatrix} -12 & -6 \\ -7 & -11 \\ 5 & -6 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -11 & -3 & 10 & -4 \\ -4 & 10 & -6 & 3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} -13 & 0 \\ -1 & 1 \\ 8 & 0 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} 20 & -6 & -18 \\ -6 & -6 & 9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 8 & -15 & 6 \\ -7 & -3 & -6 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 3 \\ 21 \\ 3 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} -1 & -1 \\ 1 & 0 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & 6 & 3 \\ 6 & 8 & 0 \\ 3 & 0 & 18 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 17 & 3 \\ 3 & 14 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -20 & -6 \\ 0 & -14 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645124

ExerciseMatrices01 Answers for No.645124

$$Ans_1 = \begin{bmatrix} -1 & 7 \\ -7 & 4 \\ -1 & -1 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -3 & -7 & -1 & 6 \\ 3 & 5 & -6 & -7 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 2 & -1 \\ 3 & -3 \\ 3 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -2 & 1 & -1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} 3 & -10 & 0 \\ 6 & -3 & 3 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 0 & 4 \\ 10 & -1 \\ 8 & -1 \\ -8 & 12 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 6 & -9 & -1 \\ -7 & -8 & 7 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} -3 & 5 \\ 19 & -2 \\ 5 & -5 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 16 & 3 & 9 \\ -11 & -1 & -9 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 2 \\ -9 \\ -5 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 6 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & 9 & 7 \\ 9 & 18 & 12 \\ 7 & 12 & 10 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 22 & -14 \\ -14 & 11 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -19 & 14 \\ 32 & -8 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645125

ExerciseMatrices01 Answers for No.645125

$$Ans_1 = \begin{bmatrix} -4 & -1 & -1 \\ -7 & -3 & 6 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} -6 & 7 \\ 6 & -1 \\ 1 & -4 \\ -7 & 4 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} 1 & 1 & -1 \\ 2 & 2 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [1 \quad 2 \quad 3], \; , Ans_5 = \begin{bmatrix} 3 & -2 \\ -6 & -2 \\ -2 & 0 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} 7 & -8 & -6 & 6 \\ -12 & -2 & 11 & -2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 4 & -1 \\ -9 & 4 \\ 2 & -2 \end{bmatrix}, \; , Ans_8 = \text{"undefined"}, \; , Ans_9 = \text{"undefined"}, \; , Ans_{10} = \begin{bmatrix} 13 & 13 & -8 \\ 25 & -6 & -18 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \; , Ans_{12} = \begin{bmatrix} -3 & -6 \\ -1 & -2 \\ -1 & -5 \end{bmatrix}, \; , Ans_{13} = \begin{bmatrix} -3 \\ 1 \\ -5 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 6 & -9 \\ -6 & 15 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 3 & 3 \\ 3 & 9 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 5 & 5 & 1 \\ 5 & 5 & 1 \\ 1 & 1 & 2 \end{bmatrix}, \; , Ans_{17} = \begin{bmatrix} -9 & 21 \\ 15 & -21 \end{bmatrix}, \; , Ans_{18} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645126

ExerciseMatrices01 Answers for No.645126

$$Ans_1 = \begin{bmatrix} -4 & -4 \\ 5 & 5 \\ -3 & 3 \\ 3 & -5 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -2 & -6 & -1 \\ -1 & -5 & -2 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 1 & 2 \\ 2 & 1 \\ -3 & 2 \end{bmatrix}, \quad , \begin{bmatrix} \text{:)} \\ \text{:|} \\ \text{:(} \\ \text{:'(} \end{bmatrix}$$

$$Ans_4 = [-2 \quad -2 \quad -3], \ , Ans_5 = \begin{bmatrix} -8 & 0 & -8 & 6 \\ -1 & 3 & 10 & -2 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 3 & 4 \\ 7 & 1 \\ -4 & -3 \end{bmatrix}, \quad , \begin{bmatrix} \text{:)} \\ \text{:|} \\ \text{:(} \\ \text{:'(} \end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 2 & -2 & 10 \\ 1 & 3 & 10 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -11 & -3 & -16 \\ -13 & -2 & -17 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} \text{:)} \\ \text{:|} \\ \text{:(} \\ \text{:'(} \end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} -3 & -3 & 6 \\ 0 & -3 & 3 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 0 \\ -3 \\ 0 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 4 & 0 \\ -6 & 1 \end{bmatrix}, \quad , \begin{bmatrix} \text{:)} \\ \text{:|} \\ \text{:(} \\ \text{:'(} \end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & 4 & 1 \\ 4 & 5 & -4 \\ 1 & -4 & 13 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 14 & -2 \\ -2 & 9 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -6 & 2 \\ -10 & -7 \end{bmatrix}, \quad , \begin{bmatrix} \text{:)} \\ \text{:|} \\ \text{:(} \\ \text{:'(} \end{bmatrix}$$

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Matrices01 Answers for No.645127

ExerciseMatrices01 Answers for No.645127

$$Ans_1 = \begin{bmatrix} -6 & 2 \\ 3 & 5 \\ -4 & 2 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -2 & 1 & -2 & 4 \\ 3 & -1 & -2 & -3 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} 1 & 2 \\ -3 & 1 \\ 3 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 2 & -1 & -1 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -5 & 8 & 2 \\ -4 & 0 & -2 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -1 & -4 \\ -5 & 4 \\ 6 & 0 \\ 1 & -4 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \begin{bmatrix} 8 & 4 & 2 \\ -2 & -11 & -2 \end{bmatrix}, \ , Ans_8 = \text{"undefined"}, \ , Ans_9 = \text{"undefined"}, \ , Ans_{10} = \begin{bmatrix} -15 & -14 \\ 0 & 13 \\ 16 & -8 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 7 & -12 & 3 \\ 6 & -12 & 2 \end{bmatrix}, \ , Ans_{12} = \text{"undefined"}, \ , Ans_{13} = \begin{bmatrix} 5 \\ 0 \\ 6 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 9 & 2 \\ 0 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 5 & -1 & 7 \\ -1 & 10 & -7 \\ 7 & -7 & 13 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 19 & 5 \\ 5 & 9 \end{bmatrix}, \ , Ans_{17} = \text{"undefined"}, \ , Ans_{18} = \begin{bmatrix} -1 & -1 \\ -5 & -7 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645128

ExerciseMatrices01 Answers for No.645128

$$Ans_1 = \begin{bmatrix} -5 & -1 & -5 & -3 \\ 5 & -7 & -5 & -2 \end{bmatrix}, \; , Ans_2 = \begin{bmatrix} 6 & -2 \\ -6 & -1 \\ -4 & 1 \end{bmatrix}, \; , Ans_3 = \begin{bmatrix} -3 & 3 \\ -2 & 1 \\ 3 & -1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} 1 & 3 & 1 \end{bmatrix}, \; , Ans_5 = \begin{bmatrix} -10 & 9 \\ -6 & -1 \\ -1 & -3 \\ 2 & -9 \end{bmatrix}, \; , Ans_6 = \begin{bmatrix} -1 & 13 & 10 \\ 1 & -5 & -6 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \; , Ans_8 = \begin{bmatrix} 2 & 3 \\ -8 & 11 \\ -1 & 4 \end{bmatrix}, \; , Ans_9 = \begin{bmatrix} -15 & -8 \\ -3 & -16 \\ -19 & 4 \end{bmatrix}, \; , Ans_{10} = \text{"undefined"}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \begin{bmatrix} 5 & 18 & -6 \\ -4 & -12 & 2 \end{bmatrix}, \; , Ans_{12} = \text{"undefined"}, \; , Ans_{13} = \begin{bmatrix} -10 \\ -1 \\ 7 \end{bmatrix}, \; , Ans_{14} = \begin{bmatrix} 2 & -2 \\ -4 & 6 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 18 & 9 & -12 \\ 9 & 5 & -7 \\ -12 & -7 & 10 \end{bmatrix}, \; , Ans_{16} = \begin{bmatrix} 22 & -14 \\ -14 & 11 \end{bmatrix}, \; , Ans_{17} = \text{"undefined"}, \; , Ans_{18} = \begin{bmatrix} -18 & 10 \\ 6 & 1 \end{bmatrix}, \quad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645129

ExerciseMatrices01 Answers for No.645129

$$Ans_1 = \begin{bmatrix} -5 & -7 & -1 & 6 \\ -6 & -6 & 4 & -4 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} -7 & -7 \\ -6 & -4 \\ -1 & -6 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -2 & 2 & 1 \\ -3 & 1 & 2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = [1 \quad 3 \quad -1], \ , Ans_5 = \begin{bmatrix} 0 & -11 \\ -10 & -10 \\ 3 & 9 \\ 9 & -7 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} 5 & 12 & 5 \\ 0 & 1 & 9 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 4 & 12 \\ -8 & 0 \\ 0 & 2 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -13 & -22 \\ 0 & 5 \\ -13 & -21 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} 4 & 5 \\ -2 & -1 \\ -1 & 0 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 1 \\ -3 \\ -1 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 12 & 9 \\ 3 & 3 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 9 & 10 \\ 10 & 14 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 13 & -7 & -8 \\ -7 & 5 & 4 \\ -8 & 4 & 5 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} -15 & -8 \\ 4 & 8 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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Matrices01 Answers for No.645130

ExerciseMatrices01 Answers for No.645130

$$Ans_1 = \begin{bmatrix} -1 & -1 & 6 & 2 \\ 6 & -5 & 5 & -2 \end{bmatrix}, \ , Ans_2 = \begin{bmatrix} 2 & 7 \\ -3 & -5 \\ -4 & 2 \end{bmatrix}, \ , Ans_3 = \begin{bmatrix} -2 & 3 & 3 \\ 1 & -3 & -2 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_4 = \begin{bmatrix} -3 & 2 & -2 \end{bmatrix}, \ , Ans_5 = \begin{bmatrix} -2 & 8 \\ 4 & 0 \\ 1 & 8 \\ -1 & 1 \end{bmatrix}, \ , Ans_6 = \begin{bmatrix} -3 & 0 & 10 \\ -11 & 10 & -5 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_7 = \text{"undefined"}, \ , Ans_8 = \begin{bmatrix} 8 & 11 \\ -3 & -7 \\ -4 & 2 \end{bmatrix}, \ , Ans_9 = \begin{bmatrix} -12 & -7 \\ 9 & -1 \\ -8 & 4 \end{bmatrix}, \ , Ans_{10} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{11} = \text{"undefined"}, \ , Ans_{12} = \begin{bmatrix} 12 & -10 \\ -4 & 2 \\ -8 & 5 \end{bmatrix}, \ , Ans_{13} = \begin{bmatrix} 0 \\ -6 \\ 1 \end{bmatrix}, \ , Ans_{14} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

$$Ans_{15} = \begin{bmatrix} 22 & -17 \\ -17 & 14 \end{bmatrix}, \ , Ans_{16} = \begin{bmatrix} 5 & -9 & -8 \\ -9 & 18 & 15 \\ -8 & 15 & 13 \end{bmatrix}, \ , Ans_{17} = \begin{bmatrix} 19 & -17 \\ -17 & 11 \end{bmatrix}, \ , Ans_{18} = \text{"undefined"}, \qquad , \begin{bmatrix} :) \\ :| \\ :(\\ :'(\end{bmatrix}$$

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