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Matrices02 Answers for No.9124

ExerciseMatrices02 Answers for No.9124

01 : det(A) = 20
02 : det(B) = -18
03 : det(C) = -26
04 : det(D) = -70
05 : det(E) = -48
06 : det(F) = 48
07 : m*det(C)-det(pE) = 1244
08 : det(m*D)-p*det(F) = -424
09 : x = -3
10 : y = -3

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{1}{3} & \frac{-2}{15} \\ \frac{-1}{3} & \frac{1}{3} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = -8 x = -8 y = 3
13 : det(A) = 31 x = 3 y = 2
14 : det(A) = -13 x = -5 y = 3 z = 2
15 : det(A) = 20 x = -5 y = -4 z = 3

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Matrices02 Answers for No.9197

ExerciseMatrices02 Answers for No.9197

01 : det(A) = -10
02 : det(B) = 21
03 : det(C) = -46
04 : det(D) = 37
05 : det(E) = 15
06 : det(F) = -60
07 : m*det(C)-det(pE) = -153
08 : det(m*D)-p*det(F) = 393
09 : x = 3
10 : y = 4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} 1 & -1 \\ \frac{3}{4} & -1 \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 7 x = 7 y = -5
13 : det(A) = 18 x = -3 y = 2
14 : det(A) = 4 x = 3 y = -4 z = 7
15 : det(A) = -6 x = 3 y = -5 z = -7

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Matrices02 Answers for No.9252

ExerciseMatrices02 Answers for No.9252

01 : det(A) = 21
02 : det(B) = -7
03 : det(C) = -76
04 : det(D) = -97
05 : det(E) = 74
06 : det(F) = 12
07 : m*det(C)-det(pE) = -2150
08 : det(m*D)-p*det(F) = -424
09 : x = 3
10 : y = 2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-3}{4} & \frac{5}{4} \\ \frac{1}{2} & \frac{-1}{2} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 17 x = -6 y = 2
13 : det(A) = 6 x = -8 y = 7
14 : det(A) = -2 x = 3 y = 7 z = -4
15 : det(A) = -11 x = 6 y = -5 z = -2

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Matrices02 Answers for No.9312

ExerciseMatrices02 Answers for No.9312

01 : det(A) = 22
02 : det(B) = -17
03 : det(C) = 32
04 : det(D) = -7
05 : det(E) = 28
06 : det(F) = 36
07 : m*det(C)-det(pE) = -1728
08 : det(m*D)-p*det(F) = -172
09 : x = -4
10 : y = 4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} 1 & -1 \\ -2 & \frac{3}{2} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 1 x = 5 y = -6
13 : det(A) = -27 x = -2 y = -8
14 : det(A) = 1 x = -6 y = -4 z = -8
15 : det(A) = -7 x = 5 y = -2 z = -6

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Matrices02 Answers for No.9397

ExerciseMatrices02 Answers for No.9397

01 : det(A) = -12
02 : det(B) = -13
03 : det(C) = -34
04 : det(D) = -60
05 : det(E) = 72
06 : det(F) = -40
07 : m*det(C)-det(pE) = -678
08 : det(m*D)-p*det(F) = -460
09 : x = 3
10 : y = -4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-1}{11} & \frac{-3}{22} \\ \frac{-2}{11} & \frac{5}{22} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 11 x = 2 y = 6
13 : det(A) = 23 x = -2 y = 3
14 : det(A) = -22 x = 3 y = -7 z = -2
15 : det(A) = -7 x = 8 y = -7 z = 5

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Matrices02 Answers for No.9449

ExerciseMatrices02 Answers for No.9449

01 : det(A) = -11
02 : det(B) = 10
03 : det(C) = 0
04 : det(D) = 54
05 : det(E) = 37
06 : det(F) = 8
07 : m*det(C)-det(pE) = -999
08 : det(m*D)-p*det(F) = 840
09 : x = -3
10 : y = -2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{3}{8} & \frac{1}{4} \\ \frac{1}{4} & \frac{1}{2} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 19 x = 6 y = -3
13 : det(A) = 18 x = -8 y = -4
14 : det(A) = -18 x = -3 y = 2 z = -7
15 : det(A) = 15 x = -5 y = -2 z = 3

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Matrices02 Answers for No.9562
ExerciseMatrices02 Answers for No.9562

01 : det(A) = -12 02 : det(B) = -7
03 : det(C) = -88 04 : det(D) = 6
05 : det(E) = -20 06 : det(F) = 84
07 : m*det(C)-det(pE) = -332 08 : det(m*D)-p*det(F) = 12
09 : x = 3 10 : y = 3

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-1}{7} & \frac{-5}{21} \\ \frac{-1}{7} & \frac{2}{21} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -21 x = 6 y = 8
13 : det(A) = 15 x = 6 y = 7
14 : det(A) = -10 x = 4 y = -7 z = 3
15 : det(A) = 1 x = -3 y = -7 z = 4

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Matrices02 Answers for No.9721
ExerciseMatrices02 Answers for No.9721

01 : det(A) = -16 02 : det(B) = -8
03 : det(C) = 68 04 : det(D) = 48
05 : det(E) = -64 06 : det(F) = 30
07 : m*det(C)-det(pE) = 268 08 : det(m*D)-p*det(F) = 402
09 : x = -4 10 : y = -4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{2}{3} & \frac{1}{3} \\ \frac{-1}{2} & \frac{-1}{2} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 35 x = 4 y = 7
13 : det(A) = -9 x = 3 y = 5
14 : det(A) = -16 x = -7 y = 3 z = -5
15 : det(A) = -7 x = 8 y = -5 z = -4

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Matrices02 Answers for No.9789
ExerciseMatrices02 Answers for No.9789

01 : det(A) = -18 02 : det(B) = 8
03 : det(C) = 7 04 : det(D) = 98
05 : det(E) = -17 06 : det(F) = -46
07 : m*det(C)-det(pE) = 1102 08 : det(m*D)-p*det(F) = 576
09 : x = 4 10 : y = 2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{4}{37} & \frac{5}{37} \\ \frac{-5}{37} & \frac{3}{37} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 7 x = -7 y = -8
13 : det(A) = -1 x = -6 y = -8
14 : det(A) = -12 x = 4 y = 6 z = 8
15 : det(A) = -2 x = -5 y = -8 z = -3

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Matrices02 Answers for No.9795

ExerciseMatrices02 Answers for No.9795

01 : det(A) = 23 02 : det(B) = -9

03 : det(C) = -11 04 : det(D) = -189

05 : det(E) = 36 06 : det(F) = 156

07 : m*det(C)-det(pE) = -983 08 : det(m*D)-p*det(F) = -657

09 : x = -4 10 : y = 4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-1}{2} & \frac{-1}{2} \\ \frac{1}{5} & \frac{2}{5} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 8 x = 5 y = 7

13 : det(A) = -8 x = -4 y = -2

14 : det(A) = 9 x = -3 y = -5 z = 4

15 : det(A) = -22 x = 5 y = -4 z = -3

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Matrices02 Answers for No.9839

ExerciseMatrices02 Answers for No.9839

01 : det(A) = -20 02 : det(B) = 23

03 : det(C) = -19 04 : det(D) = 73

05 : det(E) = 51 06 : det(F) = -84

07 : m*det(C)-det(pE) = -427 08 : det(m*D)-p*det(F) = 241

09 : x = -4 10 : y = -3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{2}{9} & \frac{-1}{9} \\ \frac{1}{6} & \frac{1}{6} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -32 x = -3 y = 6

13 : det(A) = -1 x = -5 y = -3

14 : det(A) = 27 x = 3 y = -4 z = -2

15 : det(A) = 22 x = 6 y = -7 z = -8

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Matrices02 Answers for No.9843

ExerciseMatrices02 Answers for No.9843

01 : det(A) = -23 02 : det(B) = 18

03 : det(C) = -44 04 : det(D) = 180

05 : det(E) = 36 06 : det(F) = -76

07 : m*det(C)-det(pE) = -420 08 : det(m*D)-p*det(F) = 1772

09 : x = -2 10 : y = 2

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{1}{6} & \frac{-1}{6} \\ \frac{2}{15} & \frac{1}{15} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -7 x = -4 y = -5

13 : det(A) = 9 x = 3 y = 8

14 : det(A) = -2 x = 8 y = 2 z = -4

15 : det(A) = -6 x = 7 y = -4 z = -5

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Matrices02 Answers for No.9854
ExerciseMatrices02 Answers for No.9854

01 : det(A) = 7 02 : det(B) = 9
03 : det(C) = 52 04 : det(D) = -69
05 : det(E) = 130 06 : det(F) = -34
07 : m*det(C)-det(pE) = -988 08 : det(m*D)-p*det(F) = -1
09 : x = -4 10 : y = 3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{1}{6} & \frac{-1}{6} \\ \frac{-1}{6} & \frac{-1}{3} \end{bmatrix}\right), \quad , \begin{bmatrix} \ \end{bmatrix}$$

12 : det(A) = -40 x = 2 y = -3
13 : det(A) = 5 x = -7 y = 6
14 : det(A) = -6 x = 7 y = 8 z = 5
15 : det(A) = 7 x = 5 y = 8 z = -4

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Matrices02 Answers for No.9862
ExerciseMatrices02 Answers for No.9862

01 : det(A) = 18 02 : det(B) = 13
03 : det(C) = 51 04 : det(D) = -63
05 : det(E) = -16 06 : det(F) = -124
07 : m*det(C)-det(pE) = 118 08 : det(m*D)-p*det(F) = -128
09 : x = -3 10 : y = -2

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-1}{6} & \frac{-1}{6} \\ \frac{-1}{9} & \frac{2}{9} \end{bmatrix}\right), \quad , \begin{bmatrix} \ \end{bmatrix}$$

12 : det(A) = -4 x = 6 y = 3
13 : det(A) = -5 x = -6 y = 7
14 : det(A) = -6 x = 7 y = 2 z = 4
15 : det(A) = -14 x = 4 y = 3 z = 5

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Matrices02 Answers for No.10278
ExerciseMatrices02 Answers for No.10278

01 : det(A) = 8 02 : det(B) = 16
03 : det(C) = 18 04 : det(D) = -74
05 : det(E) = 12 06 : det(F) = 9
07 : m*det(C)-det(pE) = -252 08 : det(m*D)-p*det(F) = -1211
09 : x = 3 10 : y = -4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-1}{7} & \frac{-1}{7} \\ \frac{-1}{7} & \frac{2}{35} \end{bmatrix}\right), \quad , \begin{bmatrix} \ \end{bmatrix}$$

12 : det(A) = -25 x = 2 y = 3
13 : det(A) = -1 x = 6 y = 4
14 : det(A) = 8 x = -7 y = -6 z = 4
15 : det(A) = -10 x = 7 y = -6 z = 2

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Matrices02 Answers for No.10361

ExerciseMatrices02 Answers for No.10361

01 : det(A) = -10 02 : det(B) = -11
03 : det(C) = 42 04 : det(D) = 150
05 : det(E) = 14 06 : det(F) = -68
07 : m*det(C)-det(pE) = -770 08 : det(m*D)-p*det(F) = 1622
09 : x = -2 10 : y = 4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{1}{5} & \frac{-1}{5} \\ \frac{3}{25} & \frac{2}{25} \end{bmatrix}\right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 11 x = 6 y = -2
13 : det(A) = -8 x = -6 y = -7
14 : det(A) = -9 x = -8 y = 2 z = -4
15 : det(A) = -11 x = 8 y = -4 z = -2

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Matrices02 Answers for No.10532

ExerciseMatrices02 Answers for No.10532

01 : det(A) = -9 02 : det(B) = -19
03 : det(C) = 0 04 : det(D) = 32
05 : det(E) = 88 06 : det(F) = -26
07 : m*det(C)-det(pE) = -88 08 : det(m*D)-p*det(F) = 314
09 : x = -2 10 : y = -4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{1}{15} & \frac{-1}{6} \\ \frac{-2}{15} & \frac{-1}{6} \end{bmatrix}\right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 6 x = 3 y = 8
13 : det(A) = 11 x = 2 y = -7
14 : det(A) = 5 x = 6 y = -5 z = -7
15 : det(A) = -33 x = 4 y = 8 z = -3

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Matrices02 Answers for No.10688

ExerciseMatrices02 Answers for No.10688

01 : det(A) = -18 02 : det(B) = -17
03 : det(C) = 42 04 : det(D) = -56
05 : det(E) = 14 06 : det(F) = 16
07 : m*det(C)-det(pE) = -770 08 : det(m*D)-p*det(F) = -568
09 : x = -4 10 : y = 2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-4}{27} & \frac{1}{9} \\ \frac{-5}{27} & \frac{-1}{9} \end{bmatrix}\right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 21 x = 7 y = 5
13 : det(A) = 12 x = 7 y = 3
14 : det(A) = 5 x = -4 y = 3 z = -5
15 : det(A) = -5 x = 7 y = 6 z = 2

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Matrices02 Answers for No.10868

ExerciseMatrices02 Answers for No.10868

01 : det(A) = -11
02 : det(B) = 20
03 : det(C) = -18
04 : det(D) = -27
05 : det(E) = 45
06 : det(F) = 12
07 : m*det(C)-det(pE) = -2934
08 : det(m*D)-p*det(F) = -291
09 : x = 3
10 : y = -3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-1}{8} & \frac{-1}{8} \\ \frac{1}{8} & \frac{-5}{24} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 4 x = 8 y = -5

13 : det(A) = -45 x = 2 y = 4

14 : det(A) = 9 x = -2 y = -5 z = -3

15 : det(A) = -16 x = 2 y = 3 z = 5

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Matrices02 Answers for No.10900

ExerciseMatrices02 Answers for No.10900

01 : det(A) = 11
02 : det(B) = -14
03 : det(C) = -26
04 : det(D) = -19
05 : det(E) = -52
06 : det(F) = -24
07 : m*det(C)-det(pE) = 0
08 : det(m*D)-p*det(F) = -52
09 : x = -2
10 : y = 4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-5}{26} & \frac{-3}{26} \\ \frac{-1}{13} & \frac{2}{13} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 12 x = 8 y = -4

13 : det(A) = 3 x = -6 y = -4

14 : det(A) = -3 x = 2 y = 5 z = -6

15 : det(A) = -4 x = 3 y = -5 z = 6

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Matrices02 Answers for No.11693

ExerciseMatrices02 Answers for No.11693

01 : det(A) = 23
02 : det(B) = 8
03 : det(C) = 11
04 : det(D) = 42
05 : det(E) = -68
06 : det(F) = 8
07 : m*det(C)-det(pE) = 4374
08 : det(m*D)-p*det(F) = 136
09 : x = 3
10 : y = 4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-5}{4} & 1 \\ 1 & -1 \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -21 x = -3 y = -6

13 : det(A) = -8 x = 3 y = -6

14 : det(A) = 6 x = -6 y = -4 z = 2

15 : det(A) = -22 x = -7 y = -5 z = -6

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Matrices02 Answers for No.12097

ExerciseMatrices02 Answers for No.12097

01 : det(A) = 15 02 : det(B) = 11
03 : det(C) = -18 04 : det(D) = -78
05 : det(E) = 16 06 : det(F) = -26
07 : m*det(C)-det(pE) = -1078 08 : det(m*D)-p*det(F) = -598
09 : x = -4 10 : y = 3

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{4}{7} & \frac{3}{7} \\ \frac{3}{7} & \frac{4}{7} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -14 x = 2 y = -5
13 : det(A) = -11 x = -4 y = 8
14 : det(A) = -7 x = 2 y = 6 z = 4
15 : det(A) = -4 x = -6 y = -2 z = 4

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Matrices02 Answers for No.12172

ExerciseMatrices02 Answers for No.12172

01 : det(A) = -19 02 : det(B) = 22
03 : det(C) = -68 04 : det(D) = -82
05 : det(E) = -26 06 : det(F) = -54
07 : m*det(C)-det(pE) = 140 08 : det(m*D)-p*det(F) = 26
09 : x = -4 10 : y = -3

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-1}{2} & \frac{1}{2} \\ -1 & \frac{1}{2} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 4 x = -5 y = 7
13 : det(A) = -15 x = -8 y = -2
14 : det(A) = 5 x = 8 y = -7 z = -4
15 : det(A) = -3 x = 3 y = -2 z = -8

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Matrices02 Answers for No.12173

ExerciseMatrices02 Answers for No.12173

01 : det(A) = -9 02 : det(B) = 16
03 : det(C) = 49 04 : det(D) = -17
05 : det(E) = 12 06 : det(F) = -168
07 : m*det(C)-det(pE) = -128 08 : det(m*D)-p*det(F) = 232
09 : x = -4 10 : y = -2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-1}{11} & \frac{-3}{22} \\ \frac{2}{11} & \frac{-5}{22} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 18 x = -6 y = -2
13 : det(A) = -24 x = 4 y = -2
14 : det(A) = 17 x = 6 y = -5 z = -8
15 : det(A) = 2 x = -6 y = 8 z = 5

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Matrices02 Answers for No.12180
ExerciseMatrices02 Answers for No.12180

01 : det(A) = -9
02 : det(B) = -17
03 : det(C) = -19
04 : det(D) = 76
05 : det(E) = -68
06 : det(F) = 16
07 : m*det(C)-det(pE) = 468
08 : det(m*D)-p*det(F) = 1184
09 : x = -3
10 : y = 4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-1}{6} & \frac{-2}{15} \\ \frac{1}{6} & \frac{-1}{15} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = -2 x = -8 y = 3
13 : det(A) = 16 x = 3 y = 5
14 : det(A) = -14 x = 4 y = -2 z = -3
15 : det(A) = 6 x = 5 y = 4 z = -2

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Matrices02 Answers for No.12256
ExerciseMatrices02 Answers for No.12256

01 : det(A) = -20
02 : det(B) = 22
03 : det(C) = 49
04 : det(D) = 18
05 : det(E) = 0
06 : det(F) = -16
07 : m*det(C)-det(pE) = 98
08 : det(m*D)-p*det(F) = 88
09 : x = -3
10 : y = -2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-5}{3} & \frac{4}{3} \\ 1 & -1 \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = -29 x = -2 y = -5
13 : det(A) = -9 x = 5 y = -4
14 : det(A) = -27 x = -4 y = -8 z = -6
15 : det(A) = -1 x = -4 y = 2 z = 7

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Matrices02 Answers for No.12278
ExerciseMatrices02 Answers for No.12278

01 : det(A) = 9
02 : det(B) = 10
03 : det(C) = -36
04 : det(D) = 70
05 : det(E) = -16
06 : det(F) = -21
07 : m*det(C)-det(pE) = -16
08 : det(m*D)-p*det(F) = 1162
09 : x = -2
10 : y = -3

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-4}{3} & -1 \\ -1 & -1 \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 6 x = -5 y = -6
13 : det(A) = -4 x = -5 y = -2
14 : det(A) = 10 x = -5 y = 4 z = 6
15 : det(A) = -9 x = 8 y = 2 z = 5

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Matrices02 Answers for No.12482

ExerciseMatrices02 Answers for No.12482

01 : det(A) = 23 02 : det(B) = 14

03 : det(C) = 48 04 : det(D) = -78

05 : det(E) = 84 06 : det(F) = 34

07 : m*det(C)-det(pE) = -624 08 : det(m*D)-p*det(F) = -146

09 : x = 4 10 : y = -4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} -1 & -2 \\ 1 & \frac{5}{2} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -4 x = -8 y = 2

13 : det(A) = -14 x = -2 y = -8

14 : det(A) = 17 x = 8 y = 3 z = 2

15 : det(A) = -6 x = 4 y = 8 z = 5

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Matrices02 Answers for No.12586

ExerciseMatrices02 Answers for No.12586

01 : det(A) = -10 02 : det(B) = 19

03 : det(C) = 34 04 : det(D) = 80

05 : det(E) = -40 06 : det(F) = 96

07 : m*det(C)-det(pE) = 1114 08 : det(m*D)-p*det(F) = -208

09 : x = 2 10 : y = -4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{1}{2} & \frac{-1}{2} \\ \frac{2}{3} & \frac{-1}{3} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -2 x = -8 y = 2

13 : det(A) = 10 x = 7 y = -3

14 : det(A) = 15 x = 6 y = -5 z = 3

15 : det(A) = 2 x = -3 y = -8 z = 5

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Matrices02 Answers for No.12677

ExerciseMatrices02 Answers for No.12677

01 : det(A) = 22 02 : det(B) = -9

03 : det(C) = 30 04 : det(D) = 16

05 : det(E) = 132 06 : det(F) = -68

07 : m*det(C)-det(pE) = -72 08 : det(m*D)-p*det(F) = 132

09 : x = -3 10 : y = -3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-1}{2} & \frac{-1}{3} \\ \frac{1}{2} & \frac{2}{3} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 18 x = -2 y = 4

13 : det(A) = 17 x = -7 y = 3

14 : det(A) = 20 x = 3 y = -5 z = -2

15 : det(A) = 4 x = -6 y = 2 z = -5

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Matrices02 Answers for No.13490

ExerciseMatrices02 Answers for No.13490

01 : det(A) = -14 02 : det(B) = 15

03 : det(C) = 24 04 : det(D) = -126

05 : det(E) = -71 06 : det(F) = -48

07 : m*det(C)-det(pE) = 1941 08 : det(m*D)-p*det(F) = 18

09 : x = 3 10 : y = 3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} -1 & \frac{-5}{2} \\ 1 & 2 \end{bmatrix} \right), \quad , \begin{bmatrix} \end{bmatrix}$$

12 : det(A) = 8 x = 4 y = 5

13 : det(A) = -32 x = -2 y = 6

14 : det(A) = 3 x = -8 y = -3 z = -4

15 : det(A) = 24 x = 2 y = 3 z = 6

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Matrices02 Answers for No.13500

ExerciseMatrices02 Answers for No.13500

01 : det(A) = -22 02 : det(B) = -17

03 : det(C) = 50 04 : det(D) = -168

05 : det(E) = 83 06 : det(F) = 152

07 : m*det(C)-det(pE) = -2041 08 : det(m*D)-p*det(F) = -3144

09 : x = -3 10 : y = 2

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{5}{27} & \frac{4}{27} \\ \frac{1}{9} & \frac{-1}{9} \end{bmatrix} \right), \quad , \begin{bmatrix} \end{bmatrix}$$

12 : det(A) = 23 x = -2 y = 7

13 : det(A) = 15 x = -8 y = 2

14 : det(A) = -10 x = -7 y = -4 z = -5

15 : det(A) = -12 x = -5 y = 4 z = 7

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Matrices02 Answers for No.13637

ExerciseMatrices02 Answers for No.13637

01 : det(A) = 12 02 : det(B) = 12

03 : det(C) = 8 04 : det(D) = 30

05 : det(E) = -31 06 : det(F) = -10

07 : m*det(C)-det(pE) = 55 08 : det(m*D)-p*det(F) = 280

09 : x = 2 10 : y = -3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{1}{2} & \frac{-1}{2} \\ \frac{1}{5} & \frac{-2}{5} \end{bmatrix} \right), \quad , \begin{bmatrix} \end{bmatrix}$$

12 : det(A) = 6 x = 7 y = 8

13 : det(A) = -45 x = 5 y = 4

14 : det(A) = 16 x = 4 y = -3 z = -5

15 : det(A) = -8 x = -3 y = 2 z = -4

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Matrices02 Answers for No.645101

ExerciseMatrices02 Answers for No.645101

01 : det(A) = -11
02 : det(B) = -9
03 : det(C) = -13
04 : det(D) = -5
05 : det(E) = 16
06 : det(F) = 132
07 : m*det(C)-det(pE) = -141
08 : det(m*D)-p*det(F) = -269
09 : x = 4
10 : y = 3

$$No11 = \left(\operatorname{Inv}(G) = \begin{bmatrix} 1 & 1 \\ 1 & \frac{3}{2} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 13 x = -4 y = -7

13 : det(A) = -8 x = -3 y = -5

14 : det(A) = 26 x = -3 y = 5 z = 7

15 : det(A) = 4 x = 3 y = -7 z = 2

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Matrices02 Answers for No.645102

ExerciseMatrices02 Answers for No.645102

01 : det(A) = -19
02 : det(B) = -7
03 : det(C) = -64
04 : det(D) = 60
05 : det(E) = 32
06 : det(F) = 88
07 : m*det(C)-det(pE) = -160
08 : det(m*D)-p*det(F) = 152
09 : x = 2
10 : y = -2

$$No11 = \left(\operatorname{Inv}(G) = \begin{bmatrix} \frac{1}{2} & \frac{-1}{2} \\ \frac{1}{4} & \frac{-1}{2} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = -24 x = -5 y = -2

13 : det(A) = -19 x = -7 y = 6

14 : det(A) = 6 x = -6 y = -8 z = -2

15 : det(A) = 9 x = 2 y = -4 z = 5

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Matrices02 Answers for No.645103

ExerciseMatrices02 Answers for No.645103

01 : det(A) = 19
02 : det(B) = -8
03 : det(C) = -8
04 : det(D) = -130
05 : det(E) = -6
06 : det(F) = 24
07 : m*det(C)-det(pE) = -10
08 : det(m*D)-p*det(F) = -544
09 : x = 3
10 : y = 3

$$No11 = \left(\operatorname{Inv}(G) = \begin{bmatrix} \frac{-2}{29} & \frac{-5}{29} \\ \frac{-5}{29} & \frac{2}{29} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = -3 x = -7 y = -6

13 : det(A) = 14 x = -8 y = 5

14 : det(A) = -6 x = 4 y = 7 z = 5

15 : det(A) = -1 x = 5 y = -4 z = 7

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Matrices02 Answers for No.645104

ExerciseMatrices02 Answers for No.645104

01 : det(A) = -12
02 : det(B) = -13
03 : det(C) = -24
04 : det(D) = 87
05 : det(E) = -48
06 : det(F) = -116
07 : m*det(C)-det(pE) = 3024
08 : det(m*D)-p*det(F) = 812
09 : x = -3
10 : y = 4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-2}{15} & \frac{-1}{6} \\ \frac{1}{15} & \frac{-1}{6} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 4 x = -3 y = 4
13 : det(A) = -13 x = 8 y = -7
14 : det(A) = 3 x = 5 y = 8 z = 3
15 : det(A) = -9 x = -4 y = -3 z = -5

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Matrices02 Answers for No.645105

ExerciseMatrices02 Answers for No.645105

01 : det(A) = -15
02 : det(B) = -21
03 : det(C) = 26
04 : det(D) = 86
05 : det(E) = 4
06 : det(F) = 96
07 : m*det(C)-det(pE) = 72
08 : det(m*D)-p*det(F) = 1184
09 : x = 4
10 : y = -3

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} 1 & -1 \\ \frac{-1}{2} & \frac{3}{4} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 11 x = -4 y = 2
13 : det(A) = 27 x = -6 y = 4
14 : det(A) = -36 x = 5 y = 4 z = -2
15 : det(A) = -12 x = 6 y = 4 z = -7

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Matrices02 Answers for No.645106

ExerciseMatrices02 Answers for No.645106

01 : det(A) = 17
02 : det(B) = -18
03 : det(C) = -1
04 : det(D) = 94
05 : det(E) = -67
06 : det(F) = -131
07 : m*det(C)-det(pE) = 4287
08 : det(m*D)-p*det(F) = 618
09 : x = -2
10 : y = -2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-1}{7} & \frac{2}{7} \\ \frac{-1}{7} & \frac{-3}{14} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 11 x = 4 y = 6
13 : det(A) = -12 x = 8 y = 6
14 : det(A) = 6 x = -5 y = 2 z = -8
15 : det(A) = -6 x = -6 y = 5 z = 4

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Matrices02 Answers for No.645107

ExerciseMatrices02 Answers for No.645107

01 : det(A) = 8 02 : det(B) = -13
03 : det(C) = -68 04 : det(D) = -5
05 : det(E) = -48 06 : det(F) = -20
07 : m*det(C)-det(pE) = 316 08 : det(m*D)-p*det(F) = 35
09 : x = 3 10 : y = 2

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{4}{37} & \frac{5}{37} \\ \frac{-5}{37} & \frac{3}{37} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = -9 x = -4 y = 7
13 : det(A) = 1 x = 5 y = -4
14 : det(A) = 12 x = -2 y = 7 z = -5
15 : det(A) = 16 x = 5 y = -6 z = 2

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Matrices02 Answers for No.645108

ExerciseMatrices02 Answers for No.645108

01 : det(A) = 10 02 : det(B) = -11
03 : det(C) = 10 04 : det(D) = -54
05 : det(E) = 58 06 : det(F) = 42
07 : m*det(C)-det(pE) = -3682 08 : det(m*D)-p*det(F) = -654
09 : x = -4 10 : y = 4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} -1 & 1 \\ \frac{-5}{4} & 1 \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 26 x = -7 y = -5
13 : det(A) = 12 x = -7 y = -2
14 : det(A) = -12 x = 7 y = -8 z = 2
15 : det(A) = -10 x = 2 y = -5 z = -4

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Matrices02 Answers for No.645109

ExerciseMatrices02 Answers for No.645109

01 : det(A) = -22 02 : det(B) = -7
03 : det(C) = -11 04 : det(D) = 204
05 : det(E) = -56 06 : det(F) = -72
07 : m*det(C)-det(pE) = 404 08 : det(m*D)-p*det(F) = 3408
09 : x = 2 10 : y = -4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-1}{8} & \frac{-5}{24} \\ \frac{-1}{8} & \frac{1}{8} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 1 x = 3 y = 6
13 : det(A) = 8 x = -6 y = 3
14 : det(A) = -5 x = 6 y = -4 z = -3
15 : det(A) = 3 x = 2 y = 5 z = -4

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Matrices02 Answers for No.645110

ExerciseMatrices02 Answers for No.645110

01 : det(A) = -13 02 : det(B) = -8

03 : det(C) = 86 04 : det(D) = -32

05 : det(E) = 4 06 : det(F) = -16

07 : m*det(C)-det(pE) = -170 08 : det(m*D)-p*det(F) = 32

09 : x = 2 10 : y = -3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-1}{9} & \frac{5}{27} \\ \frac{-1}{9} & \frac{-4}{27} \end{bmatrix} \right), \quad , \begin{bmatrix} \ \end{bmatrix}$$

12 : det(A) = 16 x = 8 y = 6

13 : det(A) = -3 x = -4 y = 5

14 : det(A) = 1 x = 4 y = 2 z = 3

15 : det(A) = 10 x = -4 y = 8 z = 2

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Matrices02 Answers for No.645111

ExerciseMatrices02 Answers for No.645111

01 : det(A) = -14 02 : det(B) = 9

03 : det(C) = -27 04 : det(D) = -24

05 : det(E) = 80 06 : det(F) = 10

07 : m*det(C)-det(pE) = -5147 08 : det(m*D)-p*det(F) = -64

09 : x = 3 10 : y = 3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-3}{14} & \frac{-2}{7} \\ \frac{1}{7} & \frac{-1}{7} \end{bmatrix} \right), \quad , \begin{bmatrix} \ \end{bmatrix}$$

12 : det(A) = -10 x = -5 y = -3

13 : det(A) = -11 x = -5 y = 6

14 : det(A) = 8 x = -7 y = 4 z = -3

15 : det(A) = 3 x = 8 y = 3 z = -5

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Matrices02 Answers for No.645112

ExerciseMatrices02 Answers for No.645112

01 : det(A) = -21 02 : det(B) = -13

03 : det(C) = 34 04 : det(D) = 91

05 : det(E) = 44 06 : det(F) = 48

07 : m*det(C)-det(pE) = -2748 08 : det(m*D)-p*det(F) = 172

09 : x = -4 10 : y = -2

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{1}{8} & \frac{1}{8} \\ \frac{1}{6} & \frac{-1}{6} \end{bmatrix} \right), \quad , \begin{bmatrix} \ \end{bmatrix}$$

12 : det(A) = 8 x = -5 y = -8

13 : det(A) = -27 x = -3 y = -6

14 : det(A) = 3 x = 3 y = -4 z = -2

15 : det(A) = -7 x = -3 y = 5 z = -8

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Matrices02 Answers for No.645113

ExerciseMatrices02 Answers for No.645113

01 : det(A) = -18 02 : det(B) = -20

03 : det(C) = 32 04 : det(D) = 4

05 : det(E) = -20 06 : det(F) = -74

07 : m*det(C)-det(pE) = 1344 08 : det(m*D)-p*det(F) = 312

09 : x = 4 10 : y = 4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-1}{9} & \frac{-1}{9} \\ \frac{4}{45} & \frac{-1}{9} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 5 x = 2 y = -3

13 : det(A) = 8 x = 6 y = -2

14 : det(A) = -2 x = 4 y = 5 z = -6

15 : det(A) = -20 x = 2 y = -3 z = 6

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Matrices02 Answers for No.645114

ExerciseMatrices02 Answers for No.645114

01 : det(A) = 8 02 : det(B) = 15

03 : det(C) = 26 04 : det(D) = 12

05 : det(E) = -32 06 : det(F) = -54

07 : m*det(C)-det(pE) = 2126 08 : det(m*D)-p*det(F) = 324

09 : x = -3 10 : y = 3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{3}{14} & \frac{-2}{7} \\ \frac{-1}{7} & \frac{-1}{7} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 13 x = 6 y = 3

13 : det(A) = -25 x = -3 y = 2

14 : det(A) = 3 x = 4 y = 2 z = -8

15 : det(A) = 5 x = -6 y = 8 z = 5

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Matrices02 Answers for No.645115

ExerciseMatrices02 Answers for No.645115

01 : det(A) = -18 02 : det(B) = -13

03 : det(C) = 36 04 : det(D) = -133

05 : det(E) = -64 06 : det(F) = -12

07 : m*det(C)-det(pE) = 4132 08 : det(m*D)-p*det(F) = -85

09 : x = 4 10 : y = 2

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{2}{33} & \frac{5}{33} \\ \frac{5}{33} & \frac{-4}{33} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 5 x = 2 y = 4

13 : det(A) = 29 x = 5 y = 2

14 : det(A) = 2 x = -7 y = 4 z = -6

15 : det(A) = -4 x = 3 y = -2 z = 4

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Matrices02 Answers for No.645116
ExerciseMatrices02 Answers for No.645116

01 : det(A) = -10   02 : det(B) = -23
03 : det(C) = 1   04 : det(D) = 53
05 : det(E) = -1   06 : det(F) = 0
07 : m*det(C)-det(pE) = 3   08 : det(m*D)-p*det(F) = 212
09 : x = 2   10 : y = -2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{3}{5} & \frac{-2}{5} \\ \frac{2}{5} & \frac{-3}{5} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 16   x = -6   y = 7
13 : det(A) = -30   x = -5   y = 7
14 : det(A) = -36   x = 2   y = 3   z = -4
15 : det(A) = -1   x = -7   y = -4   z = 2

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6400311-00050XX
Matrices02 Answers for No.645117
ExerciseMatrices02 Answers for No.645117

01 : det(A) = -7   02 : det(B) = -16
03 : det(C) = -26   04 : det(D) = 96
05 : det(E) = 40   06 : det(F) = -34
07 : m*det(C)-det(pE) = -346   08 : det(m*D)-p*det(F) = 164
09 : x = 2   10 : y = -2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{1}{9} & \frac{-5}{27} \\ \frac{-1}{9} & \frac{-4}{27} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = -10   x = -5   y = 7
13 : det(A) = 16   x = -6   y = 2
14 : det(A) = 16   x = 4   y = -3   z = -2
15 : det(A) = -15   x = -7   y = 3   z = 4

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6400311-00051XX
Matrices02 Answers for No.645118
ExerciseMatrices02 Answers for No.645118

01 : det(A) = 15   02 : det(B) = -22
03 : det(C) = 28   04 : det(D) = 78
05 : det(E) = -18   06 : det(F) = -39
07 : m*det(C)-det(pE) = 172   08 : det(m*D)-p*det(F) = 156
09 : x = -4   10 : y = -3

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-1}{3} & \frac{-2}{9} \\ \frac{1}{3} & \frac{5}{9} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = -5   x = -7   y = -4
13 : det(A) = 8   x = -6   y = -7
14 : det(A) = 10   x = 4   y = 6   z = -3
15 : det(A) = -15   x = 2   y = -6   z = -3

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Matrices02 Answers for No.645119

ExerciseMatrices02 Answers for No.645119

01 : det(A) = -20 | 02 : det(B) = 8

03 : det(C) = -9 | 04 : det(D) = -200

05 : det(E) = -72 | 06 : det(F) = 108

07 : m*det(C)-det(pE) = 549 | 08 : det(m*D)-p*det(F) = -2016

09 : x = 4 | 10 : y = 2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} -1 & \frac{-2}{5} \\ 1 & \frac{3}{5} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 18 x = 6 y = 5

13 : det(A) = 27 x = -6 y = 5

14 : det(A) = 3 x = -3 y = -2 z = -8

15 : det(A) = 9 x = 5 y = -3 z = 4

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Matrices02 Answers for No.645120

ExerciseMatrices02 Answers for No.645120

01 : det(A) = 9 | 02 : det(B) = 21

03 : det(C) = -20 | 04 : det(D) = -5

05 : det(E) = -102 | 06 : det(F) = -8

07 : m*det(C)-det(pE) = 2674 | 08 : det(m*D)-p*det(F) = -56

09 : x = 2 | 10 : y = -3

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} -1 & 1 \\ \frac{-3}{5} & \frac{4}{5} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -24 x = -3 y = 8

13 : det(A) = -22 x = 2 y = -7

14 : det(A) = -6 x = -4 y = 2 z = 3

15 : det(A) = 10 x = 4 y = -2 z = -8

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Matrices02 Answers for No.645121

ExerciseMatrices02 Answers for No.645121

01 : det(A) = -19 | 02 : det(B) = 12

03 : det(C) = 92 | 04 : det(D) = -98

05 : det(E) = -40 | 06 : det(F) = -12

07 : m*det(C)-det(pE) = 408 | 08 : det(m*D)-p*det(F) = -1556

09 : x = 3 | 10 : y = -4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{2}{3} & -1 \\ 1 & -1 \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 28 x = -3 y = -6

13 : det(A) = 6 x = 4 y = -3

14 : det(A) = 39 x = -5 y = 3 z = 6

15 : det(A) = 12 x = -8 y = -7 z = 2

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Matrices02 Answers for No.645122
ExerciseMatrices02 Answers for No.645122

01 : det(A) = 9 | 02 : det(B) = -7
03 : det(C) = 20 | 04 : det(D) = 78
05 : det(E) = -84 | 06 : det(F) = -12
07 : m*det(C)-det(pE) = 5436 | 08 : det(m*D)-p*det(F) = 750
09 : x = -2 | 10 : y = -4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{2}{25} & \frac{-1}{5} \\ \frac{-3}{25} & \frac{-1}{5} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -25 x = -7 y = 4
13 : det(A) = -7 x = -6 y = 5
14 : det(A) = 8 x = -2 y = 4 z = 8
15 : det(A) = 12 x = -4 y = -3 z = 2

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Matrices02 Answers for No.645123
ExerciseMatrices02 Answers for No.645123

01 : det(A) = 23 | 02 : det(B) = -14
03 : det(C) = -9 | 04 : det(D) = 98
05 : det(E) = -76 | 06 : det(F) = -128
07 : m*det(C)-det(pE) = 40 | 08 : det(m*D)-p*det(F) = 1696
09 : x = 3 | 10 : y = 3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{2}{19} & \frac{5}{19} \\ \frac{3}{19} & \frac{-2}{19} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 4 x = 6 y = 8
13 : det(A) = 14 x = 2 y = -7
14 : det(A) = -11 x = -4 y = 8 z = -7
15 : det(A) = -3 x = -3 y = 6 z = -2

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Matrices02 Answers for No.645124
ExerciseMatrices02 Answers for No.645124

01 : det(A) = 9 | 02 : det(B) = 16
03 : det(C) = -36 | 04 : det(D) = -36
05 : det(E) = 60 | 06 : det(F) = 128
07 : m*det(C)-det(pE) = -168 | 08 : det(m*D)-p*det(F) = -452
09 : x = -2 | 10 : y = -4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} -1 & \frac{1}{2} \\ \frac{-1}{2} & \frac{1}{2} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 35 x = -7 y = -5
13 : det(A) = -30 x = -5 y = 4
14 : det(A) = -3 x = -5 y = 4 z = -2
15 : det(A) = 10 x = -3 y = -4 z = -5

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Matrices02 Answers for No.645125

ExerciseMatrices02 Answers for No.645125

01 : det(A) = 16
02 : det(B) = -19
03 : det(C) = 67
04 : det(D) = -74
05 : det(E) = 24
06 : det(F) = -48
07 : m*det(C)-det(pE) = -1402
08 : det(m*D)-p*det(F) = -104
09 : x = 4
10 : y = 3

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-1}{2} & \frac{-5}{4} \\ \frac{-1}{2} & \frac{-3}{4} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -5 x = 6 y = -8
13 : det(A) = -4 x = -3 y = 8
14 : det(A) = 2 x = -5 y = -7 z = 4
15 : det(A) = -18 x = 5 y = -8 z = 3

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Matrices02 Answers for No.645126

ExerciseMatrices02 Answers for No.645126

01 : det(A) = 11
02 : det(B) = 19
03 : det(C) = -60
04 : det(D) = -2
05 : det(E) = -36
06 : det(F) = -16
07 : m*det(C)-det(pE) = 2184
08 : det(m*D)-p*det(F) = 56
09 : x = 2
10 : y = -4

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-1}{7} & \frac{4}{21} \\ \frac{-1}{7} & \frac{-1}{7} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = 14 x = 4 y = 6
13 : det(A) = 22 x = 3 y = -7
14 : det(A) = -10 x = 7 y = 2 z = -4
15 : det(A) = 24 x = 3 y = 6 z = 5

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Matrices02 Answers for No.645127

ExerciseMatrices02 Answers for No.645127

01 : det(A) = 10
02 : det(B) = 23
03 : det(C) = -17
04 : det(D) = 54
05 : det(E) = 88
06 : det(F) = -36
07 : m*det(C)-det(pE) = -2444
08 : det(m*D)-p*det(F) = 972
09 : x = 4
10 : y = -2

$$No11 = \left(\text{Inv}(G) = \begin{bmatrix} \frac{-5}{17} & \frac{2}{17} \\ \frac{-4}{17} & \frac{5}{17} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \end{bmatrix}$$

12 : det(A) = -32 x = -7 y = -6
13 : det(A) = 14 x = -3 y = -8
14 : det(A) = -12 x = -3 y = -5 z = 7
15 : det(A) = 12 x = 2 y = 8 z = 7

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Matrices02 Answers for No.645128
ExerciseMatrices02 Answers for No.645128

01 : det(A) = 15
02 : det(B) = -21
03 : det(C) = 30
04 : det(D) = 17
05 : det(E) = 72
06 : det(F) = -18
07 : m*det(C)-det(pE) = -486
08 : det(m*D)-p*det(F) = 189
09 : x = -3
10 : y = -3

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{4}{41} & \frac{-5}{41} \\ \frac{-5}{41} & \frac{-4}{41} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = -2 x = 7 y = -5
13 : det(A) = 4 x = 3 y = 2
14 : det(A) = -12 x = -2 y = 3 z = 4
15 : det(A) = 10 x = -2 y = -7 z = 8

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Matrices02 Answers for No.645129
ExerciseMatrices02 Answers for No.645129

01 : det(A) = -7
02 : det(B) = -13
03 : det(C) = -31
04 : det(D) = 73
05 : det(E) = 45
06 : det(F) = -68
07 : m*det(C)-det(pE) = -2911
08 : det(m*D)-p*det(F) = 345
09 : x = -2
10 : y = 4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-1}{7} & \frac{1}{7} \\ \frac{-4}{21} & \frac{-1}{7} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 13 x = 7 y = 6
13 : det(A) = -23 x = -5 y = -2
14 : det(A) = 22 x = 5 y = -4 z = 7
15 : det(A) = 8 x = 5 y = 2 z = 4

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Matrices02 Answers for No.645130
ExerciseMatrices02 Answers for No.645130

01 : det(A) = 19
02 : det(B) = -7
03 : det(C) = -31
04 : det(D) = 8
05 : det(E) = -6
06 : det(F) = 24
07 : m*det(C)-det(pE) = -56
08 : det(m*D)-p*det(F) = 8
09 : x = 2
10 : y = 4

$$No11 = \left(\mathrm{Inv}(G) = \begin{bmatrix} \frac{-5}{29} & \frac{2}{29} \\ \frac{-2}{29} & \frac{-5}{29} \end{bmatrix} \right), \quad , \begin{bmatrix} \\ \\ \end{bmatrix}$$

12 : det(A) = 16 x = -3 y = -2
13 : det(A) = -1 x = -6 y = -7
14 : det(A) = -21 x = 4 y = -3 z = -5
15 : det(A) = 12 x = -4 y = -6 z = -8

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