TrigonometryExercise6 Answers for No.9124

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{\circ}] \\ .3 = [0, 60^{\circ}] & .4 = [45^{\circ}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^{\circ}, 300^{\circ}] & .2 = [120^{\circ}, 180^{\circ}, 240^{\circ}] \\ .3 = [90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}] & .4 = [135^{\circ}] \\ .5 = [45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}] & .6 = [30^{\circ}, 90^{\circ}, 150^{\circ}, 210^{\circ}, 270^{\circ}, 330^{\circ}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{2}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9197

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{o}] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^{o}, 300^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [45^{o}] \\ .5 = [0, 60^{o}, 180^{o}, 300^{o}] & .6 = [0, 30^{o}, 150^{o}, 180^{o}, 210^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

TrigonometryExercise6 Answers for No.9252

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .2 = \left[\frac{2\pi}{3}, \pi, \frac{4\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [60^{o}] \\ .3 = [0, 45^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 90^{o}, 150^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [45^{o}] \\ .5 = [0, 180^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{2}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9312

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = \left[\frac{\pi}{6}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [60^{o}] \\ .3 = [45^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^{o}, 300^{o}] & .2 = [120^{o}, 180^{o}, 240^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [45^{o}] \\ .5 = [0, 180^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9397

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = \left[\frac{\pi}{6}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .2 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [30^{o}] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 90^{o}, 150^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [45^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9449

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{\circ}] \\ .3 = [30^{\circ}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^{\circ}, 180^{\circ}, 240^{\circ}] & .2 = [30^{\circ}, 150^{\circ}, 270^{\circ}] \\ .3 = [60^{\circ}, 90^{\circ}, 270^{\circ}, 300^{\circ}] & .4 = [45^{\circ}] \\ .5 = [45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}] & .6 = [30^{\circ}, 90^{\circ}, 150^{\circ}, 210^{\circ}, 270^{\circ}, 330^{\circ}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = [2n\pi, \pi + 2n\pi] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9562

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{4}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] & .2 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{\circ}] & .2 = [30^{\circ}] \\ .3 = [0, 45^{\circ}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^{\circ}, 180^{\circ}, 240^{\circ}] & .2 = [0, 60^{\circ}, 300^{\circ}] \\ .3 = [0, 180^{\circ}, 210^{\circ}, 330^{\circ}] & .4 = [315^{\circ}] \\ .5 = [0, 60^{\circ}, 180^{\circ}, 300^{\circ}] & .6 = [30^{\circ}, 90^{\circ}, 150^{\circ}, 210^{\circ}, 270^{\circ}, 330^{\circ}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = [2n\pi, \pi + 2n\pi] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

TrigonometryExercise6 Answers for No.9721

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [30^{o}] \\ .3 = [45^{o}] & .4 = [45^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [90^{o}, 210^{o}, 330^{o}] & .2 = [60^{o}, 180^{o}, 300^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [135^{o}] \\ .5 = [0, 45^{o}, 180^{o}, 225^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9789

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [30^{o}] \\ .3 = [0, 60^{o}] & .4 = [22.5^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 120^{o}, 240^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [315^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9795

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{\circ}] & .2 = [60^{\circ}] \\ .3 = [45^{\circ}] & .4 = [22.5^{\circ}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [90^{\circ}, 210^{\circ}, 330^{\circ}] & .2 = [210^{\circ}, 270^{\circ}, 330^{\circ}] \\ .3 = [0, 30^{\circ}, 150^{\circ}, 180^{\circ}] & .4 = [45^{\circ}] \\ .5 = [45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}] & .6 = [0, 60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = [2n\pi, \pi + 2n\pi] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9839

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{4}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^o] \\ .3 = [0, 60^o] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [90^o, 210^o, 330^o] & .2 = [0, 60^o, 300^o] \\ .3 = [0, 180^o, 210^o, 330^o] & .4 = [135^o] \\ .5 = [0, 180^o] & .6 = [0, 30^o, 150^o, 180^o, 210^o, 330^o] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9843

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = \left[\frac{\pi}{6}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [30^{o}] \\ .3 = [30^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [60^{o}, 180^{o}, 300^{o}] & .2 = [210^{o}, 270^{o}, 330^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [315^{o}] \\ .5 = [45^{o}, 90^{o}, 225^{o}, 270^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9854

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{\circ}] & .2 = [60^{\circ}] \\ .3 = [45^{\circ}] & .4 = [22.5^{\circ}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 120^{\circ}, 240^{\circ}] & .2 = [120^{\circ}, 180^{\circ}, 240^{\circ}] \\ .3 = [60^{\circ}, 90^{\circ}, 270^{\circ}, 300^{\circ}] & .4 = [45^{\circ}] \\ .5 = [45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}] & .6 = [60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2\,n\,\pi, \frac{11}{6}\pi + 2\,n\,\pi\right] & .2 = \left[\frac{1}{6}\pi + n\,\pi, \frac{5}{6}\pi + n\,\pi\right] \\ .3 = \left[2\,n\,\pi, \frac{1}{6}\pi + 2\,n\,\pi, \frac{5}{6}\pi + 2\,n\,\pi, \pi + 2\,n\,\pi\right] & .4 = \left[\frac{1}{4}\pi + n\,\pi, \frac{3}{4}\pi + n\,\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.9862

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] \\ .3 = \left[0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [30^o] \\ .3 = [45^o] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^o, 300^o] & .2 = [0, 120^o, 240^o] \\ .3 = [0, 30^o, 150^o, 180^o] & .4 = [315^o] \\ .5 = [0, 90^o, 180^o] & .6 = [30^o, 90^o, 150^o, 210^o, 270^o, 330^o] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.10278

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{2\pi}{3}, \pi, \frac{4\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [30^{o}] \\ .3 = [0, 45^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [90^{o}, 210^{o}, 330^{o}] & .2 = [30^{o}, 90^{o}, 150^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [315^{o}] \\ .5 = [0, 60^{o}, 180^{o}, 300^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{2}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.10361

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{4}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] & .2 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [60^{o}] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 150^{o}, 270^{o}] & .2 = [120^{o}, 180^{o}, 240^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [315^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2\,n\,\pi, \frac{11}{6}\pi + 2\,n\,\pi\right] & .2 = \left[\frac{1}{6}\pi + n\,\pi, \frac{5}{6}\pi + n\,\pi\right] \\ .3 = \left[2\,n\,\pi, \frac{1}{2}\pi + 2\,n\,\pi, \pi + 2\,n\,\pi\right] & .4 = \left[\frac{1}{4}\pi + n\,\pi, \frac{3}{4}\pi + n\,\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.10532

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{4}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{5\,\pi}{6}, \frac{3\,\pi}{2}\right] & .2 = \left[\frac{7\,\pi}{6}, \frac{3\,\pi}{2}, \frac{11\,\pi}{6}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\,\pi}{3}, \frac{4\,\pi}{3}, \frac{3\,\pi}{2}\right] & .4 = \left[\frac{7\,\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\,\pi}{6}, \frac{7\,\pi}{6}, \frac{3\,\pi}{2}, \frac{11\,\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{o}] \\ .3 = [0, 60^{o}] & .4 = [22.5^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 90^{o}, 150^{o}] & .2 = [0, 120^{o}, 240^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [135^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = [2n\pi, \pi + 2n\pi] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.10688

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{2\pi}{3}, \pi, \frac{4\pi}{3}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^o] & .2 = [60^o] \\ .3 = [0] & .4 = [22.5^o] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^o, 300^o] & .2 = [60^o, 180^o, 300^o] \\ .3 = [60^o, 90^o, 270^o, 300^o] & .4 = [135^o] \\ .5 = [0, 60^o, 180^o, 300^o] & .6 = [30^o, 90^o, 150^o, 210^o, 270^o, 330^o] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = [2n\pi, \pi + 2n\pi] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.10868

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [30^{o}] \\ .3 = [22.5^{o}, 67.5^{o}] & .4 = [30^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 150^{o}, 270^{o}] & .2 = [210^{o}, 270^{o}, 330^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [45^{o}] \\ .5 = [45^{o}, 90^{o}, 225^{o}, 270^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.10900

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{4}\right] & .4 = \left[\frac{\pi}{6}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] & .2 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [30^{o}] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^{o}, 300^{o}] & .2 = [120^{o}, 180^{o}, 240^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [135^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.11693

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{4}\right] & .4 = \left[\frac{\pi}{6}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{o}] \\ .3 = [30^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^{o}, 180^{o}, 240^{o}] & .2 = [0, 60^{o}, 300^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [315^{o}] \\ .5 = [0, 90^{o}, 180^{o}] & .6 = [0, 30^{o}, 150^{o}, 180^{o}, 210^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.12097

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] \\ .3 = \left[0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [60^{o}] \\ .3 = [22.5^{o}, 67.5^{o}] & .4 = [45^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [90^{o}, 210^{o}, 330^{o}] & .2 = [210^{o}, 270^{o}, 330^{o}] \\ .3 = [60^{o}, 90^{o}, 270^{o}, 300^{o}] & .4 = [135^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.12172

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] & .2 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{o}] \\ .3 = [0, 45^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [90^{o}, 210^{o}, 330^{o}] & .2 = [210^{o}, 270^{o}, 330^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [135^{o}] \\ .5 = [0, 45^{o}, 180^{o}, 225^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2\,n\,\pi, \frac{5}{3}\pi + 2\,n\,\pi\right] & .2 = \left[\frac{1}{3}\pi + n\,\pi, \frac{2}{3}\pi + n\,\pi\right] \\ .3 = \left[\frac{1}{4}\pi + 2\,n\,\pi, \frac{1}{2}\pi + 2\,n\,\pi, \frac{5}{4}\pi + 2\,n\,\pi, \frac{3}{2}\pi + 2\,n\,\pi\right] & .4 = \left[\frac{1}{4}\pi + n\,\pi, \frac{3}{4}\pi + n\,\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.12173

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{4}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\,\pi}{3}\right] & .2 = \left[\frac{2\,\pi}{3}, \pi, \frac{4\,\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\,\pi}{2}, \frac{5\,\pi}{3}\right] & .4 = \left[\frac{3\,\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\,\pi}{4}, \frac{3\,\pi}{2}\right] & .6 = \left[0, \frac{\pi}{3}, \frac{2\,\pi}{3}, \pi, \frac{4\,\pi}{3}, \frac{5\,\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [60^{o}] \\ .3 = [0, 60^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [90^{o}, 210^{o}, 330^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [315^{o}] \\ .5 = [0, 45^{o}, 180^{o}, 225^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2\,n\,\pi, \frac{5}{6}\pi + 2\,n\,\pi\right] & .2 = \left[\frac{1}{6}\pi + n\,\pi, \frac{5}{6}\pi + n\,\pi\right] \\ .3 = [2\,n\,\pi, \pi + 2\,n\,\pi] & .4 = \left[\frac{1}{6}\pi + n\,\pi, \frac{5}{6}\pi + n\,\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.12180

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\,\pi}{3}\right] & .2 = \left[0, \frac{2\,\pi}{3}, \frac{4\,\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\,\pi}{2}, \frac{5\,\pi}{3}\right] & .4 = \left[\frac{7\,\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\,\pi}{6}, \pi\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\,\pi}{6}, \pi, \frac{7\,\pi}{6}, \frac{11\,\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [60^{o}] \\ .3 = [45^{o}] & .4 = [22.5^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^{o}, 180^{o}, 240^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [135^{o}] \\ .5 = [45^{o}, 90^{o}, 225^{o}, 270^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{2}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.12256

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [30^{o}] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [210^{o}, 270^{o}, 330^{o}] & .2 = [30^{o}, 90^{o}, 150^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [135^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = [2n\pi, \pi + 2n\pi] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.12278

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = [0] & .4 = \left[\frac{\pi}{6}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^o] & .2 = [60^o] \\ .3 = [45^o] & .4 = [22.5^o] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 120^o, 240^o] & .2 = [210^o, 270^o, 330^o] \\ .3 = [0, 30^o, 150^o, 180^o] & .4 = [315^o] \\ .5 = [0, 45^o, 180^o, 225^o] & .6 = [0, 30^o, 150^o, 180^o, 210^o, 330^o] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[\frac{1}{4}\pi + 2n\pi, \frac{1}{2}\pi + 2n\pi, \frac{5}{4}\pi + 2n\pi, \frac{3}{2}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{4}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] & .2 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [60^{o}] \\ .3 = [22.5^{o}, 67.5^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [210^{o}, 270^{o}, 330^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [45^{o}] \\ .5 = [45^{o}, 90^{o}, 225^{o}, 270^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{2}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.12586

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [30^{o}] \\ .3 = [0, 45^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 150^{o}, 270^{o}] & .2 = [120^{o}, 180^{o}, 240^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [135^{o}] \\ .5 = [0, 60^{o}, 180^{o}, 300^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = [2n\pi, \pi + 2n\pi] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.12677

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^o] & .2 = [60^o] \\ .3 = [0] & .4 = [30^o] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^o, 300^o] & .2 = [90^o, 210^o, 330^o] \\ .3 = [0, 30^o, 150^o, 180^o] & .4 = [315^o] \\ .5 = [0, 90^o, 180^o] & .6 = [60^o, 90^o, 120^o, 240^o, 270^o, 300^o] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

TrigonometryExercise6 Answers for No.13490

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{o}] \\ .3 = [45^{o}] & .4 = [22.5^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [210^{o}, 270^{o}, 330^{o}] & .2 = [30^{o}, 90^{o}, 150^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [315^{o}] \\ .5 = [0, 180^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.13500

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{4}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] & .2 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{\circ}] \\ .3 = [22.5^{\circ}, 67.5^{\circ}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 120^{\circ}, 240^{\circ}] & .2 = [120^{\circ}, 180^{\circ}, 240^{\circ}] \\ .3 = [0, 180^{\circ}, 210^{\circ}, 330^{\circ}] & .4 = [315^{\circ}] \\ .5 = [0, 180^{\circ}] & .6 = [0, 60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.13637

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] & .2 = \left[\frac{2\pi}{3}, \pi, \frac{4\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [60^{o}] \\ .3 = [45^{o}] & .4 = [22.5^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 120^{o}, 240^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [315^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645101

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{4}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] & .2 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [60^{o}] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^{o}, 180^{o}, 240^{o}] & .2 = [60^{o}, 180^{o}, 300^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [45^{o}] \\ .5 = [0, 180^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[\frac{1}{4}\pi + 2n\pi, \frac{1}{2}\pi + 2n\pi, \frac{5}{4}\pi + 2n\pi, \frac{3}{2}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645102

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{4}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] & .2 = \left[\frac{2\pi}{3}, \pi, \frac{4\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^o] & .2 = [60^o] \\ .3 = [0, 60^o] & .4 = [45^o] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^o, 300^o] & .2 = [0, 120^o, 240^o] \\ .3 = [90^o, 120^o, 240^o, 270^o] & .4 = [315^o] \\ .5 = [0, 60^o, 180^o, 300^o] & .6 = [0, 60^o, 120^o, 180^o, 240^o, 300^o] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645103

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [30^{o}] \\ .3 = [0] & .4 = [22.5^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [210^{o}, 270^{o}, 330^{o}] & .2 = [90^{o}, 210^{o}, 330^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [135^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645104

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] & .2 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [60^{o}] \\ .3 = [0] & .4 = [22.5^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^{o}, 180^{o}, 240^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [315^{o}] \\ .5 = [0, 45^{o}, 180^{o}, 225^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[\frac{1}{4}\pi + 2n\pi, \frac{1}{2}\pi + 2n\pi, \frac{5}{4}\pi + 2n\pi, \frac{3}{2}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645105

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{4}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] & .2 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [30^{o}] \\ .3 = [30^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [210^{o}, 270^{o}, 330^{o}] & .2 = [0, 120^{o}, 240^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [135^{o}] \\ .5 = [0, 180^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645106

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = \left[\frac{\pi}{8}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] & .2 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [30^{o}] \\ .3 = [0, 60^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 90^{o}, 150^{o}] & .2 = [210^{o}, 270^{o}, 330^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [45^{o}] \\ .5 = [0, 60^{o}, 180^{o}, 300^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{2}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645107

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = [0] & .4 = \left[\frac{\pi}{6}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [30^{o}] \\ .3 = [22.5^{o}, 67.5^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [60^{o}, 180^{o}, 300^{o}] & .2 = [30^{o}, 90^{o}, 150^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [45^{o}] \\ .5 = [0, 60^{o}, 180^{o}, 300^{o}] & .6 = [0, 30^{o}, 150^{o}, 180^{o}, 210^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2\,n\,\pi, \frac{11}{6}\pi + 2\,n\,\pi\right] & .2 = \left[\frac{1}{3}\pi + n\,\pi, \frac{2}{3}\pi + n\,\pi\right] \\ .3 = [2\,n\,\pi, \pi + 2\,n\,\pi] & .4 = \left[\frac{1}{6}\pi + n\,\pi, \frac{5}{6}\pi + n\,\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645108

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = \left[\frac{\pi}{8}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{2}, \frac{7\,\pi}{6}, \frac{11\,\pi}{6}\right] & .2 = \left[\frac{\pi}{6}, \frac{5\,\pi}{6}, \frac{3\,\pi}{2}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\,\pi}{2}, \frac{5\,\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\,\pi}{3}, \frac{4\,\pi}{3}, \frac{3\,\pi}{2}, \frac{5\,\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [30^{o}] \\ .3 = [0, 60^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [210^{o}, 270^{o}, 330^{o}] & .2 = [0, 60^{o}, 300^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [135^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645109

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = \left[\frac{\pi}{8}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] & .2 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [30^{o}] \\ .3 = [22.5^{o}, 67.5^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [90^{o}, 210^{o}, 330^{o}] & .2 = [0, 60^{o}, 300^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [135^{o}] \\ .5 = [0, 45^{o}, 180^{o}, 225^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{2}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645110

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{4}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] & .2 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{\circ}] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^{\circ}, 180^{\circ}, 240^{\circ}] & .2 = [0, 60^{\circ}, 300^{\circ}] \\ .3 = [0, 180^{\circ}, 210^{\circ}, 330^{\circ}] & .4 = [45^{\circ}] \\ .5 = [0, 180^{\circ}] & .6 = [0, 60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645111

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = [0] & .4 = \left[\frac{\pi}{8}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [60^{o}] \\ .3 = [0, 60^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^{o}, 300^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [45^{o}] \\ .5 = [0, 45^{o}, 180^{o}, 225^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645112

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [30^{o}] \\ .3 = [0, 45^{o}] & .4 = [45^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 150^{o}, 270^{o}] & .2 = [30^{o}, 90^{o}, 150^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [135^{o}] \\ .5 = [0, 45^{o}, 180^{o}, 225^{o}] & .6 = [0, 30^{o}, 150^{o}, 180^{o}, 210^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2\,n\,\pi, \frac{5}{6}\pi + 2\,n\,\pi\right] & .2 = \left[\frac{1}{6}\pi + n\,\pi, \frac{5}{6}\pi + n\,\pi\right] \\ .3 = \left[\frac{1}{4}\pi + 2\,n\,\pi, \frac{1}{2}\pi + 2\,n\,\pi, \frac{5}{4}\pi + 2\,n\,\pi, \frac{3}{2}\pi + 2\,n\,\pi\right] & .4 = \left[\frac{1}{3}\pi + n\,\pi, \frac{2}{3}\pi + n\,\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645113

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] & .2 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{\circ}] & .2 = [60^{\circ}] \\ .3 = [0, 45^{\circ}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{\circ}, 150^{\circ}, 270^{\circ}] & .2 = [210^{\circ}, 270^{\circ}, 330^{\circ}] \\ .3 = [0, 180^{\circ}, 210^{\circ}, 330^{\circ}] & .4 = [135^{\circ}] \\ .5 = [0, 90^{\circ}, 180^{\circ}] & .6 = [0, 60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645114

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] & .2 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] \\ .3 = \left[0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [60^{o}] \\ .3 = [0, 60^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [210^{o}, 270^{o}, 330^{o}] & .2 = [0, 60^{o}, 300^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [315^{o}] \\ .5 = [0, 30^{o}, 150^{o}, 180^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[\frac{1}{4}\pi + 2n\pi, \frac{1}{2}\pi + 2n\pi, \frac{5}{4}\pi + 2n\pi, \frac{3}{2}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = [0] & .4 = \left[\frac{\pi}{8}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] & .2 = \left[\frac{2\pi}{3}, \pi, \frac{4\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [30^{o}] \\ .3 = [45^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 150^{o}, 270^{o}] & .2 = [90^{o}, 210^{o}, 330^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [45^{o}] \\ .5 = [0, 180^{o}] & .6 = [0, 60^{o}, 120^{o}, 180^{o}, 240^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{3}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645116

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{4}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^\circ] & .2 = [30^\circ] \\ .3 = [45^\circ] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^\circ, 90^\circ, 150^\circ] & .2 = [120^\circ, 180^\circ, 240^\circ] \\ .3 = [60^\circ, 90^\circ, 270^\circ, 300^\circ] & .4 = [315^\circ] \\ .5 = [0, 180^\circ] & .6 = [60^\circ, 90^\circ, 120^\circ, 240^\circ, 270^\circ, 300^\circ] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645117

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = \left[\frac{\pi}{8}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [60^{o}] \\ .3 = [0] & .4 = [30^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^{o}, 180^{o}, 240^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [60^{o}, 90^{o}, 270^{o}, 300^{o}] & .4 = [135^{o}] \\ .5 = [0, 60^{o}, 180^{o}, 300^{o}] & .6 = [0, 30^{o}, 150^{o}, 180^{o}, 210^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi, \pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645118

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] & .2 = \left[\frac{2\pi}{3}, \pi, \frac{4\pi}{3}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [30^{o}] \\ .3 = [45^{o}] & .4 = [45^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 120^{o}, 240^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [315^{o}] \\ .5 = [0, 90^{o}, 180^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[\frac{1}{4}\pi + 2n\pi, \frac{1}{2}\pi + 2n\pi, \frac{5}{4}\pi + 2n\pi, \frac{3}{2}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645119

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = \left[\frac{\pi}{6}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] & .2 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] \\ .3 = \left[0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[0, \frac{\pi}{3}, \frac{2\pi}{3}, \pi, \frac{4\pi}{3}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [30^{o}] \\ .3 = [0, 45^{o}] & .4 = [45^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 120^{o}, 240^{o}] & .2 = [120^{o}, 180^{o}, 240^{o}] \\ .3 = [60^{o}, 90^{o}, 270^{o}, 300^{o}] & .4 = [135^{o}] \\ .5 = [0, 60^{o}, 180^{o}, 300^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645120

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [30^{o}] \\ .3 = [0, 45^{o}] & .4 = [30^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [60^{o}, 180^{o}, 300^{o}] & .2 = [90^{o}, 210^{o}, 330^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [315^{o}] \\ .5 = [45^{o}, 90^{o}, 225^{o}, 270^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645121

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = [0] & .4 = \left[\frac{\pi}{6}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] & .2 = \left[\frac{2\pi}{3}, \pi, \frac{4\pi}{3}\right] \\ .3 = \left[0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [60^{o}] \\ .3 = [0, 45^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 150^{o}, 270^{o}] & .2 = [0, 60^{o}, 300^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [315^{o}] \\ .5 = [45^{o}, 90^{o}, 225^{o}, 270^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = [2n\pi, \pi + 2n\pi] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

TrigonometryExercise6 Answers for No.645122

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{4}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .2 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \\ .3 = \left[0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [30^{o}] \\ .3 = [0, 60^{o}] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 60^{o}, 300^{o}] & .2 = [30^{o}, 150^{o}, 270^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [315^{o}] \\ .5 = [0, 60^{o}, 180^{o}, 300^{o}] & .6 = [0, 30^{o}, 150^{o}, 180^{o}, 210^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645123

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = \left[\frac{\pi}{8}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [30^{o}] \\ .3 = [45^{o}] & .4 = [30^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 90^{o}, 150^{o}] & .2 = [120^{o}, 180^{o}, 240^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [135^{o}] \\ .5 = [0, 180^{o}] & .6 = [30^{o}, 90^{o}, 150^{o}, 210^{o}, 270^{o}, 330^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[\frac{1}{4}\pi + 2n\pi, \frac{1}{2}\pi + 2n\pi, \frac{5}{4}\pi + 2n\pi, \frac{3}{2}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645124

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = \left[\frac{\pi}{8}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .2 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{2}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{3\pi}{2}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [30^{o}] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [0, 120^{o}, 240^{o}] & .2 = [30^{o}, 90^{o}, 150^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [45^{o}] \\ .5 = [45^{o}, 90^{o}, 225^{o}, 270^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645125

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[\frac{\pi}{8}, \frac{3\pi}{8}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{2\pi}{3}, \frac{4\pi}{3}\right] & .2 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [60^{o}] \\ .3 = [45^{o}] & .4 = [22.5^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [60^{o}, 180^{o}, 300^{o}] & .2 = [30^{o}, 90^{o}, 150^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [315^{o}] \\ .5 = [0, 60^{o}, 180^{o}, 300^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{7}{6}\pi + 2n\pi, \frac{11}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{4}\pi + n\pi, \frac{3}{4}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645126

$$Ans1 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}\right] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] & .2 = \left[\frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = [0, \pi] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [\ ] & .2 = [30^o] \\ .3 = [22.5^o, 67.5^o] & .4 = [45^o] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^o, 180^o, 240^o] & .2 = [0, 120^o, 240^o] \\ .3 = [90^o, 120^o, 240^o, 270^o] & .4 = [315^o] \\ .5 = [0, 60^o, 180^o, 300^o] & .6 = [30^o, 90^o, 150^o, 210^o, 270^o, 330^o] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645127

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[\frac{\pi}{6}\right] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \\ .3 = \left[0, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{3}, \pi, \frac{5\pi}{3}\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [60^{o}] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 150^{o}, 270^{o}] & .2 = [30^{o}, 90^{o}, 150^{o}] \\ .3 = [0, 30^{o}, 150^{o}, 180^{o}] & .4 = [315^{o}] \\ .5 = [0, 180^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2n\pi, \frac{5}{3}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \end{bmatrix}$$

TrigonometryExercise6 Answers for No.645128

$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{6}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{2}, \frac{7\pi}{6}, \frac{11\pi}{6}\right] & .2 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{4}, \pi, \frac{5\pi}{4}\right] & .6 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^o] & .2 = [60^o] \\ .3 = [22.5^o, 67.5^o] & .4 = [0] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [210^o, 270^o, 330^o] & .2 = [0, 60^o, 300^o] \\ .3 = [90^o, 120^o, 240^o, 270^o] & .4 = [135^o] \\ .5 = [0, 180^o] & .6 = [0, 30^o, 150^o, 180^o, 210^o, 330^o] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2\,n\,\pi, \frac{5}{3}\pi + 2\,n\,\pi\right] & .2 = \left[\frac{1}{3}\pi + n\,\pi, \frac{2}{3}\pi + n\,\pi\right] \\ .3 = \left[\frac{1}{4}\pi + 2\,n\,\pi, \frac{1}{2}\pi + 2\,n\,\pi, \frac{5}{4}\pi + 2\,n\,\pi, \frac{3}{2}\pi + 2\,n\,\pi\right] & .4 = \left[\frac{1}{6}\pi + n\,\pi, \frac{5}{6}\pi + n\,\pi\right] \end{bmatrix}$$

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TrigonometryExercise6 Answers for No.645129

$$Ans1 = \begin{bmatrix} .1 = [\;] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = [0] & .4 = [0] \end{bmatrix}, \quad \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}\right] & .2 = \left[\frac{\pi}{6}, \frac{5\pi}{6}, \frac{3\pi}{2}\right] \\ .3 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi\right] & .4 = \left[\frac{3\pi}{4}\right] \\ .5 = \left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5\pi}{4}, \frac{3\pi}{2}\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [60^{o}] & .2 = [30^{o}] \\ .3 = [22.5^{o}, 67.5^{o}] & .4 = [22.5^{o}] \end{bmatrix}, \quad \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [120^{o}, 180^{o}, 240^{o}] & .2 = [90^{o}, 210^{o}, 330^{o}] \\ .3 = [0, 180^{o}, 210^{o}, 330^{o}] & .4 = [315^{o}] \\ .5 = [0, 90^{o}, 180^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{6}\pi + 2n\pi, \frac{5}{6}\pi + 2n\pi\right] & .2 = \left[\frac{1}{6}\pi + n\pi, \frac{5}{6}\pi + n\pi\right] \\ .3 = \left[2n\pi, \frac{1}{4}\pi + 2n\pi, \pi + 2n\pi, \frac{5}{4}\pi + 2n\pi\right] & .4 = \left[\frac{1}{3}\pi + n\pi, \frac{2}{3}\pi + n\pi\right] \end{bmatrix}$$

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$$Ans1 = \begin{bmatrix} .1 = [\ ] & .2 = \left[\frac{\pi}{3}\right] \\ .3 = \left[0, \frac{\pi}{3}\right] & .4 = \left[\frac{\pi}{8}\right] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \\ :) & :) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left[\frac{7\pi}{6}, \frac{3\pi}{2}, \frac{11\pi}{6}\right] & .2 = \left[0, \frac{\pi}{3}, \frac{5\pi}{3}\right] \\ .3 = \left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{3}\right] & .4 = \left[\frac{7\pi}{4}\right] \\ .5 = \left[0, \frac{\pi}{2}, \pi\right] & .6 = \left[0, \frac{\pi}{6}, \frac{5\pi}{6}, \pi, \frac{7\pi}{6}, \frac{11\pi}{6}\right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = [30^{o}] & .2 = [30^{o}] \\ .3 = [22.5^{o}, 67.5^{o}] & .4 = [45^{o}] \end{bmatrix}, \quad , \begin{bmatrix} M & @ \\ a & M \\ t & U \\ h & T \end{bmatrix}$$

$$Ans4 = \begin{bmatrix} .1 = [30^{o}, 150^{o}, 270^{o}] & .2 = [90^{o}, 210^{o}, 330^{o}] \\ .3 = [90^{o}, 120^{o}, 240^{o}, 270^{o}] & .4 = [45^{o}] \\ .5 = [45^{o}, 90^{o}, 225^{o}, 270^{o}] & .6 = [60^{o}, 90^{o}, 120^{o}, 240^{o}, 270^{o}, 300^{o}] \end{bmatrix}$$

$$Ans5 = \begin{bmatrix} .1 = \left[\frac{1}{3}\pi + 2\,n\,\pi, \frac{5}{3}\pi + 2\,n\,\pi\right] & .2 = \left[\frac{1}{6}\pi + n\,\pi, \frac{5}{6}\pi + n\,\pi\right] \\ .3 = \left[2\,n\,\pi, \frac{1}{4}\pi + 2\,n\,\pi, \pi + 2\,n\,\pi, \frac{5}{4}\pi + 2\,n\,\pi\right] & .4 = \left[\frac{1}{6}\pi + n\,\pi, \frac{5}{6}\pi + n\,\pi\right] \end{bmatrix}$$

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