- M Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00001XX TrigonometryExercise6 Answers for No. 9594

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[~] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[0, \frac{\pi}{4}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{cc}
. l=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}\right] & .2=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & .4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{4}, \pi, \frac{5 \pi}{4}\right] & .6=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[30^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=\left[0,60^{\circ}\right] & .4=[0]
\end{array}\right],\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[30^{\circ}, 150^{\circ}, 270^{\circ}\right] & .2=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[135^{\circ}\right] \\
.5=\left[0,90^{\circ}, 180^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0001] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00002XX TrigonometryExercise6 Answers for No. 9608

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{cc}
.1=[] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[\frac{\pi}{4}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
. l=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}\right] & .2=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & .4=\left[\frac{7 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{2}, \pi\right] & .6=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[60^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=[0] & .4=\left[22.5^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] & .2=\left[0,120^{\circ}, 240^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[45^{\circ}\right] \\
.5=\left[0,60^{\circ}, 180^{\circ}, 300^{\circ}\right] & .6=\left[0,60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{c}
.1=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi, \pi+2 n \pi\right] .4=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right] \\
\left..4 \pi, \frac{2}{3} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

X [Page = 0002] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00003XX TrigonometryExercise6 Answers for No. 9646

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[\frac{\pi}{8}, \frac{3 \pi}{8}\right] & .4=[0]
\end{array}\right], \quad, \quad\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& \begin{array}{cc}
A n s 2=\left[\begin{array}{cc}
.1=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] & .2=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] \\
.3=\left[\frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}\right] & .4=\left[\frac{3 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{2}, \pi\right] & .6=\left[0, \frac{\pi}{3}, \frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}, \frac{5 \pi}{3}\right]
\end{array}\right]
\end{array} \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[30^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[0,60^{\circ}\right] & .4=\left[45^{\circ}\right]
\end{array}\right], \quad, \quad\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] & .2=\left[0,60^{\circ}, 300^{\circ}\right] \\
.3=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .4=\left[45^{\circ}\right] \\
.5=\left[45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}\right] & .6=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}, 210^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{c}
. l=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{3} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] .
\end{array} .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]\right]
\end{aligned}
$$

x [Page = 0003] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00004XX TrigonometryExercise6 Answers for No. 9649

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\left[\frac{\pi}{6}\right]
\end{array} \quad .2=\left[\frac{\pi}{3}\right]\right],\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
: .) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .2=\left[\frac{\pi}{2}, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] \\
.3=\left[\frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}\right] & .4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{2}, \pi\right] & .6=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=[] & .2=\left[30^{\circ}\right] \\
.3=\left[30^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[0,60^{\circ}, 300^{\circ}\right] & .2=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] \\
.3=\left[60^{\circ}, 90^{\circ}, 270^{\circ}, 300^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,45^{\circ}, 180^{\circ}, 225^{\circ}\right] & .6=\left[0,60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{3} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right]
\end{array} .4=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right]\right]
\end{aligned}
$$

X [Page = 0004] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00005XX TrigonometryExercise6 Answers for No. 9669

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{ll}
. l=[] & .2=\left[\frac{\pi}{6}\right] \\
.3=[0] & .4=\left[\frac{\pi}{6}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
. l=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .2=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & .4=\left[\frac{7 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .6=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[60^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=\left[30^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[0,60^{\circ}, 300^{\circ}\right] & .2=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] \\
.3=\left[0,180^{\circ}, 210^{\circ}, 330^{\circ}\right] & .4=\left[135^{\circ}\right] \\
.5=\left[0,90^{\circ}, 180^{\circ}\right] & .6=\left[30^{\circ}, 90^{\circ}, 150^{\circ}, 210^{\circ}, 270^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{cc}
. l=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] & .2=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{4} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi\right] & .4=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0005] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00006XX TrigonometryExercise6 Answers for No. 9717

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{6}\right] & .2=\left[\frac{\pi}{6}\right] \\
.3=[0] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& \begin{array}{cc}
A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{6}, \frac{5 \pi}{6}, \frac{3 \pi}{2}\right] & .2=\left[\frac{\pi}{2}, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] \\
.3=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .4=\left[\frac{7 \pi}{4}\right] \\
.5=[0, \pi] & .6=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right]
\end{array}\right]
\end{array} \\
& \text { Ans } 3=\left[\begin{array}{cc}
.1=[] & .2=\left[30^{\circ}\right] \\
.3=\left[22.5^{\circ}, 67.5^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[30^{\circ}, 90^{\circ}, 150^{\circ}\right] & .2=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] \\
.3=\left[0,180^{\circ}, 210^{\circ}, 330^{\circ}\right] & .4=\left[45^{\circ}\right] \\
.5=\left[0,60^{\circ}, 180^{\circ}, 300^{\circ}\right] & .6=\left[0,60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& \text { Ans } \left.5=\left[\begin{array}{c}
.1=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{4} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi\right. \\
.2=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right.
\end{array}\right] .4=\left[\frac{1}{4} \pi+n \pi, \frac{3}{4} \pi+n \pi\right]\right]
\end{aligned}
$$

x [Page = 0006] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00007XX TrigonometryExercise6 Answers for No. 9763

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
.1=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[0, \frac{\pi}{4}\right] & .4=\left[\frac{\pi}{6}\right]
\end{array}\right], \quad, \quad\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .2=\left[\frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}\right] \\
.3=\left[0, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] & 4=\left[\frac{7 \pi}{4}\right] \\
.5=[0, \pi] & .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{ll}
.1=\left[30^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=[0] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[0,120^{\circ}, 240^{\circ}\right] & .2=\left[30^{\circ}, 90^{\circ}, 150^{\circ}\right] \\
.3=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .4=\left[135^{\circ}\right] \\
.5=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .6=\left[0,60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] \\
.2=\left[2 n \frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
.3=\left[2 \pi, \frac{1}{2} \pi+2 n \pi, \pi+2 n \pi\right]
\end{array} .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]\right]
\end{aligned}
$$

x [Page = 0007] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00008XX TrigonometryExercise6 Answers for No. 9877

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[0, \frac{\pi}{3}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{6}, \frac{5 \pi}{6}, \frac{3 \pi}{2}\right] & .2=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & .4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .6=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[30^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=[0] & .4=\left[22.5^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[30^{\circ}, 90^{\circ}, 150^{\circ}\right] & .2=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[135^{\circ}\right] \\
.5=\left[45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}\right] & .6=\left[30^{\circ}, 90^{\circ}, 150^{\circ}, 210^{\circ}, 270^{\circ}, 330^{\circ}\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0008] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00009XX TrigonometryExercise6 Answers for No. 9911

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[\frac{\pi}{6}\right] & .4=\left[\frac{\pi}{4}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
. l=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] & .2=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] \\
.3=\left[0, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] & .4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .6=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 } 3=\left[\begin{array}{cc}
.1=\left[60^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[22.5^{\circ}, 67.5^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[0,60^{\circ}, 300^{\circ}\right] & .2=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] \\
.3=\left[60^{\circ}, 90^{\circ}, 270^{\circ}, 300^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,180^{\circ}\right] & .6=\left[0,60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{cl}
. l=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] & .2=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
.3=\left[\frac{1}{4} \pi+2 n \pi, \frac{1}{2} \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi, \frac{3}{2} \pi+2 n \pi\right] & .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0009] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00010XX TrigonometryExercise6 Answers for No. 10027

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{cc}
.1=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[0, \frac{\pi}{3}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right] & .2=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] \\
.3=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .6=\left[0, \frac{\pi}{3}, \frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}, \frac{5 \pi}{3}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[60^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=[0] & .4=\left[22.5^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[90^{\circ}, 210^{\circ}, 330^{\circ}\right] & .2=\left[30^{\circ}, 90^{\circ}, 150^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,90^{\circ}, 180^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{c}
.1=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{4} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi\right] .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
\left..4 \pi, \frac{3}{4} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

X [Page = 0010] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00011XX TrigonometryExercise6 Answers for No. 10063

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{ll}
.1=\left[\frac{\pi}{3}\right] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[\frac{\pi}{4}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right] & .2=\left[0, \frac{\pi}{3}, \frac{5 \pi}{3}\right] \\
.3=\left[0, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] & 4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{cc}
.1=\left[30^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=[0] & .4=\left[30^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& A n s 4=\left[\begin{array}{cc}
.1=\left[0,120^{\circ}, 240^{\circ}\right] & .2=\left[60^{\circ}, 180^{\circ}, 300^{\circ}\right] \\
.3=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & 4=\left[315^{\circ}\right] \\
.5=\left[45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{ll}
.1=\left[\frac{7}{6} \pi+2 n \pi, \frac{11}{6} \pi+2 n \pi\right] & .2=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{2} \pi+2 n \pi, \pi+2 n \pi\right] & .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0011] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00012XX TrigonometryExercise6 Answers for No. 10120

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[\frac{\pi}{6}\right] & .4=\left[\frac{\pi}{4}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}\right] & .2=\left[\frac{\pi}{2}, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] \\
.3=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .4=\left[\frac{7 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{4}, \pi, \frac{5 \pi}{4}\right] & .6=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{ll}
.1=\left[30^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[45^{\circ}\right] & .4=\left[22.5^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[30^{\circ}, 90^{\circ}, 150^{\circ}\right] & .2=\left[30^{\circ}, 150^{\circ}, 270^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[135^{\circ}\right] \\
.5=\left[0,180^{\circ}\right] & .6=\left[0,60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}\right]
\end{array}\right]
\end{aligned}
$$

X [Page = 0012] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00013XX TrigonometryExercise6 Answers for No. 10367

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{ll}
.1=\left[\frac{\pi}{3}\right] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[\frac{\pi}{6}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& \begin{array}{cc}
A n s 2=\left[\begin{array}{cc}
. l=\left[0, \frac{\pi}{3}, \frac{5 \pi}{3}\right] & .2=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] \\
.3=\left[0, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] & 4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{2}, \pi\right] & .6=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right]
\end{array}\right]
\end{array} \\
& \text { Ans3 }=\left[\begin{array}{ll}
.1=\left[30^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=\left[45^{\circ}\right] & .4=\left[45^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] & .2=\left[0,120^{\circ}, 240^{\circ}\right] \\
.3=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,45^{\circ}, 180^{\circ}, 225^{\circ}\right] & .6=\left[30^{\circ}, 90^{\circ}, 150^{\circ}, 210^{\circ}, 270^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{cc}
.1=\left[\frac{7}{6} \pi+2 n \pi, \frac{11}{6} \pi+2 n \pi\right] & .2=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right] \\
.3=[2 n \pi, \pi+2 n \pi] & .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

X [Page = 0013] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00014XX TrigonometryExercise6 Answers for No. 10372

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[~] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[0, \frac{\pi}{3}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
. l=\left[0, \frac{\pi}{3}, \frac{5 \pi}{3}\right] & .2=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & 4=\left[\frac{3 \pi}{4}\right] \\
.5=\left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5 \pi}{4}, \frac{3 \pi}{2}\right] & .6=\left[0, \frac{\pi}{3}, \frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}, \frac{5 \pi}{3}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{ll}
.1=\left[30^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=\left[30^{\circ}\right] & .4=\left[45^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[60^{\circ}, 180^{\circ}, 300^{\circ}\right] & .2=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[45^{\circ}\right] \\
.5=\left[0,90^{\circ}, 180^{\circ}\right] & .6=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}, 210^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{cc}
.1=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] & .2=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right] \\
.3=[2 n \pi, \pi+2 n \pi] & .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0014] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00015XX TrigonometryExercise6 Answers for No. 10375

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{6}\right] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[0, \frac{\pi}{4}\right] & .4=\left[\frac{\pi}{4}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{2}, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] & .2=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] \\
.3=\left[\frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}\right] & .4=\left[\frac{7 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{lc}
.1=\left[60^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[30^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] & .2=\left[30^{\circ}, 90^{\circ}, 150^{\circ}\right] \\
.3=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .4=\left[135^{\circ}\right] \\
.5=\left[0,90^{\circ}, 180^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{c}
. l=\left[\frac{7}{6} \pi+2 n \pi, \frac{11}{6} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{4} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi\right] .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
\left..4 \pi, \frac{5}{6} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0015] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00016XX TrigonometryExercise6 Answers for No. 10426

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[\frac{\pi}{8}, \frac{3 \pi}{8}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right] & .2=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] \\
.3=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .4=\left[\frac{3 \pi}{4}\right] \\
.5=[0, \pi] & .6=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[60^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=[0] & .4=\left[22.5^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[0,120^{\circ}, 240^{\circ}\right] & .2=\left[30^{\circ}, 90^{\circ}, 150^{\circ}\right] \\
.3=\left[0,180^{\circ}, 210^{\circ}, 330^{\circ}\right] & .4=\left[45^{\circ}\right] \\
.5=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .6=\left[30^{\circ}, 90^{\circ}, 150^{\circ}, 210^{\circ}, 270^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{c}
. l=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{4} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi\right] .
\end{array} .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]\right]
\end{aligned}
$$

x [Page = 0016] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00017XX TrigonometryExercise6 Answers for No. 10628

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[\frac{\pi}{6}\right] & .4=\left[\frac{\pi}{6}\right]
\end{array}\right], \quad, \quad\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
.) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{6}, \frac{5 \pi}{6}, \frac{3 \pi}{2}\right] & .2=\left[\frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right] \\
.3=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .4=\left[\frac{\pi}{4}\right] \\
.5=\left[\frac{\pi}{4}, \frac{\pi}{2}, \frac{5 \pi}{4}, \frac{3 \pi}{2}\right] & .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{cc}
.1=\left[30^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[0,45^{\circ}\right] & .4=[0]
\end{array}\right], \quad, \quad\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[90^{\circ}, 210^{\circ}, 330^{\circ}\right] & .2=\left[0,60^{\circ}, 300^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,60^{\circ}, 180^{\circ}, 300^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& \text { Ans } \left.\left.5=\left[\begin{array}{c}
. l=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{2} \pi+2 n \pi, \pi+2 n \pi\right] .
\end{array} .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]\right] \text { n, } \frac{2}{3} \pi+n \pi\right]\right]
\end{aligned}
$$

X [Page = 0017] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00018XX TrigonometryExercise6 Answers for No. 11408

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{6}\right] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[\frac{\pi}{8}, \frac{3 \pi}{8}\right] & .4=\left[\frac{\pi}{4}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{cc}
.1=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] & .2=\left[\frac{\pi}{6}, \frac{5 \pi}{6}, \frac{3 \pi}{2}\right] \\
.3=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .4=\left[\frac{3 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=[] & .2=\left[30^{\circ}\right] \\
.3=\left[0,45^{\circ}\right] & .4=[0]
\end{array}\right],\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[0,60^{\circ}, 300^{\circ}\right] & .2=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,45^{\circ}, 180^{\circ}, 225^{\circ}\right] & .6=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}, 210^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{cc}
.1=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] & .2=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right] \\
.3=[2 n \pi, \pi+2 n \pi] & .4=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0018] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00019XX TrigonometryExercise6 Answers for No. 11560

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{ll}
.1=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=[0] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & .)
\end{array}\right] \\
& \begin{array}{cc}
A n s 2=\left[\begin{array}{cc}
. l=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .2=\left[0, \frac{\pi}{3}, \frac{5 \pi}{3}\right] \\
.3=\left[\frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}\right] & .4=\left[\frac{3 \pi}{4}\right] \\
.5=[0, \pi] & .6=\left[0, \frac{\pi}{3}, \frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}, \frac{5 \pi}{3}\right]
\end{array}\right]
\end{array} \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[30^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=\left[0,45^{\circ}\right] & .4=\left[30^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[90^{\circ}, 210^{\circ}, 330^{\circ}\right] & .2=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] \\
.3=\left[60^{\circ}, 90^{\circ}, 270^{\circ}, 300^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{c}
.1=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{4} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi\right]
\end{array} .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]\right]
\end{aligned}
$$

x [Page = 0019] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00020XX TrigonometryExercise6 Answers for No. 11806

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{l}
.1=\left[\frac{\pi}{6}\right] \quad .2=\left[\frac{\pi}{3}\right] \\
.3=\left[\frac{\pi}{4}\right]
\end{array} .4=\left[\frac{\pi}{8}\right] \quad, \quad\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right]\right. \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{6}, \frac{5 \pi}{6}, \frac{3 \pi}{2}\right] & .2=\left[0, \frac{\pi}{3}, \frac{5 \pi}{3}\right] \\
.3=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{2}, \pi\right]
\end{array} \quad .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]\right] \\
& \text { Ans } 3=\left[\begin{array}{cc}
.1=[] & .2=\left[30^{\circ}\right] \\
.3=\left[0,60^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[0,120^{\circ}, 240^{\circ}\right] & .2=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[135^{\circ}\right] \\
.5=\left[0,180^{\circ}\right] & .6=\left[0,60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{cl}
. l=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] & .2=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
.3=\left[\frac{1}{4} \pi+2 n \pi, \frac{1}{2} \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi, \frac{3}{2} \pi+2 n \pi\right] & .4=\left[\frac{1}{3} \pi+n \pi, \frac{2}{3} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

X [Page = 0020] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00021XX TrigonometryExercise6 Answers for No. 12219

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[~] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[\frac{\pi}{8}, \frac{3 \pi}{8}\right] & .4=\left[\frac{\pi}{8}\right]
\end{array}\right], \quad, \quad\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& \begin{array}{cc}
A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}\right] & .2=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] \\
.3=\left[\frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}\right] & .4=\left[\frac{7 \pi}{4}\right] \\
.5=[0, \pi] & .6=\left[0, \frac{\pi}{3}, \frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}, \frac{5 \pi}{3}\right]
\end{array}\right]
\end{array} \\
& \text { Ans3 }=\left[\begin{array}{ll}
.1=\left[60^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[45^{\circ}\right] & .4=\left[45^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[60^{\circ}, 180^{\circ}, 300^{\circ}\right] & .2=\left[0,60^{\circ}, 300^{\circ}\right] \\
.3=\left[60^{\circ}, 90^{\circ}, 270^{\circ}, 300^{\circ}\right] & .4=\left[45^{\circ}\right] \\
.5=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{c}
. l=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{3} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] .
\end{array} .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]\right]
\end{aligned}
$$

x [Page = 0021] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00022XX TrigonometryExercise6 Answers for No. 12954

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[\frac{\pi}{8}, \frac{3 \pi}{8}\right] & .4=\left[\frac{\pi}{8}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
.) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
. l=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] & .2=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}\right] \\
.3=\left[0, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] & 4=\left[\frac{3 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .6=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[60^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=[0] & .4=\left[30^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] & .2=\left[30^{\circ}, 150^{\circ}, 270^{\circ}\right] \\
.3=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,90^{\circ}, 180^{\circ}\right] & .6=\left[0,60^{\circ}, 120^{\circ}, 180^{\circ}, 240^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{c}
.1=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi, \pi+2 n \pi\right] .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
\left..4 \pi, \frac{2}{3} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0022] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00023XX TrigonometryExercise6 Answers for No. 12964

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[\frac{\pi}{8}, \frac{3 \pi}{8}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}\right] & .2=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] \\
.3=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .6=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{ll}
.1=\left[60^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=\left[45^{\circ}\right] & .4=\left[22.5^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] & .2=\left[60^{\circ}, 180^{\circ}, 300^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,180^{\circ}\right] & .6=\left[30^{\circ}, 90^{\circ}, 150^{\circ}, 210^{\circ}, 270^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{c}
. l=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] \\
.3=\left[\frac{1}{4} \pi+2 n \pi, \frac{1}{2} \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi, \frac{3}{2} \pi+2 n \pi\right] . \\
.4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

X [Page = 0023] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00024XX TrigonometryExercise6 Answers for No. 12971

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
.1=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[0, \frac{\pi}{4}\right] & .4=\left[\frac{\pi}{6}\right]
\end{array}\right], \quad, \quad\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& \operatorname{Ans} 2=\left[\begin{array}{cc}
. l=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .2=\left[\frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & .4=\left[\frac{3 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .6=\left[0, \frac{\pi}{3}, \frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}, \frac{5 \pi}{3}\right]
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{lc}
.1=\left[60^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[30^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[30^{\circ}, 90^{\circ}, 150^{\circ}\right] & .2=\left[0,120^{\circ}, 240^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,45^{\circ}, 180^{\circ}, 225^{\circ}\right] & .6=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}, 210^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{cl}
.1=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] & .2=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
.3=[2 n \pi, \pi+2 n \pi] & .4=\left[\frac{1}{4} \pi+n \pi, \frac{3}{4} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0024] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00025XX TrigonometryExercise6 Answers for No. 13023

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{ll}
.1=\left[\frac{\pi}{6}\right] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[\frac{\pi}{4}\right] & .4=\left[\frac{\pi}{8}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{2 \pi}{3}, \pi, \frac{4 \pi}{3}\right] & .2=\left[0, \frac{\pi}{3}, \frac{5 \pi}{3}\right] \\
.3=\left[\frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}\right] & .4=\left[\frac{3 \pi}{4}\right] \\
.5=[0, \pi] & .6=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=[] & .2=\left[60^{\circ}\right] \\
.3=\left[0,60^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[60^{\circ}, 180^{\circ}, 300^{\circ}\right] & .2=\left[90^{\circ}, 210^{\circ}, 330^{\circ}\right] \\
.3=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}\right] & .6=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}, 210^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{c}
. l=\left[\frac{1}{3} \pi+2 n \pi, \frac{5}{3} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{4} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi\right]
\end{array} .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]\right]
\end{aligned}
$$

x [Page = 0025] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00026XX TrigonometryExercise6 Answers for No. 13033

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[~] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[0, \frac{\pi}{4}\right] & .4=\left[\frac{\pi}{6}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .2=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & .4=\left[\frac{7 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .6=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{ll}
.1=\left[30^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=[0] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right]
\end{aligned}
$$

x [Page = 0026] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00027XX TrigonometryExercise6 Answers for No. 13197

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{ll}
.1=[] & .2=\left[\frac{\pi}{3}\right] \\
.3=[0] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
. l=\left[0, \frac{\pi}{3}, \frac{5 \pi}{3}\right] & 2=\left[\frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right] \\
.3=\left[0, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] & 4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{cc}
.1=\left[60^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[0,60^{\circ}\right] & .4=[0]
\end{array}\right] \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[30^{\circ}, 150^{\circ}, 270^{\circ}\right] & .2=\left[90^{\circ}, 210^{\circ}, 330^{\circ}\right] \\
.3=\left[60^{\circ}, 90^{\circ}, 270^{\circ}, 300^{\circ}\right] & .4=\left[315^{\circ}\right] \\
.5=\left[0,90^{\circ}, 180^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{cc}
.1=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] & .2=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
.3=[2 n \pi, \pi+2 n \pi]
\end{array} \quad .4=\left[\frac{1}{4} \pi+n \pi, \frac{3}{4} \pi+n \pi\right]\right]
\end{aligned}
$$

x [Page = 0027] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00028XX TrigonometryExercise6 Answers for No. 13907

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[\frac{\pi}{6}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
. l=\left[\frac{\pi}{6}, \frac{5 \pi}{6}, \frac{3 \pi}{2}\right] & .2=\left[0, \frac{\pi}{3}, \frac{5 \pi}{3}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & 4=\left[\frac{7 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{cc}
.1=\left[60^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[0,45^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[0,120^{\circ}, 240^{\circ}\right] & .2=\left[120^{\circ}, 180^{\circ}, 240^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[45^{\circ}\right] \\
.5=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}\right] & .6=\left[0,30^{\circ}, 150^{\circ}, 180^{\circ}, 210^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{c}
.1=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] \\
.3=\left[\frac{1}{4} \pi+2 n \pi, \frac{1}{2} \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi, \frac{3}{2} \pi+2 n \pi\right] . \\
.4=\left[\frac{1}{4} \pi+n \pi, \frac{5}{6} \pi+n \pi, \frac{3}{4} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0028] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00029XX TrigonometryExercise6 Answers for No. 13991

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
.1=\left[\frac{\pi}{3}\right] & .2=\left[\frac{\pi}{3}\right] \\
.3=\left[0, \frac{\pi}{3}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
.1=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] & .2=\left[\frac{\pi}{6}, \frac{5 \pi}{6}, \frac{3 \pi}{2}\right] \\
.3=\left[0, \pi, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] & .4=\left[\frac{3 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] & .6=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{2 \pi}{3}, \frac{4 \pi}{3}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=[] & .2=\left[30^{\circ}\right] \\
.3=\left[45^{\circ}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] & .2=\left[0,60^{\circ}, 300^{\circ}\right] \\
.3=\left[60^{\circ}, 90^{\circ}, 270^{\circ}, 300^{\circ}\right] & .4=\left[45^{\circ}\right] \\
.5=\left[45^{\circ}, 90^{\circ}, 225^{\circ}, 270^{\circ}\right] & .6=\left[30^{\circ}, 90^{\circ}, 150^{\circ}, 210^{\circ}, 270^{\circ}, 330^{\circ}\right]
\end{array}\right] \\
& \text { Ans } 5=\left[\begin{array}{c}
. l=\left[\frac{1}{6} \pi+2 n \pi, \frac{5}{6} \pi+2 n \pi\right] \\
.2=\left[2 n \frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right] \\
.3=\left[2 \pi, \frac{1}{2} \pi+2 n \pi, \pi+2 n \pi\right]
\end{array} .4=\left[\frac{1}{6} \pi+n \pi, \frac{5}{6} \pi+n \pi\right]\right]
\end{aligned}
$$

x [Page = 0029] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00030XX TrigonometryExercise6 Answers for No. 14005

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{ll}
.1=\left[\frac{\pi}{6}\right] & .2=\left[\frac{\pi}{6}\right] \\
.3=\left[\frac{\pi}{4}\right] & .4=[0]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
:) & :)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{lc}
.1=\left[\frac{\pi}{2}, \frac{7 \pi}{6}, \frac{11 \pi}{6}\right] & .2=\left[\frac{\pi}{3}, \pi, \frac{5 \pi}{3}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & .4=\left[\frac{\pi}{4}\right] \\
.5=\left[0, \frac{\pi}{6}, \frac{5 \pi}{6}, \pi\right] & .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans3 }=\left[\begin{array}{cc}
.1=\left[60^{\circ}\right] & .2=\left[60^{\circ}\right] \\
.3=\left[22.5^{\circ}, 67.5^{\circ}\right] & .4=\left[30^{\circ}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[0,60^{\circ}, 300^{\circ}\right] & .2=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] \\
.3=\left[0,180^{\circ}, 210^{\circ}, 330^{\circ}\right] & .4=\left[135^{\circ}\right] \\
.5=\left[0,180^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right] \\
& A n s 5=\left[\begin{array}{c}
. l=\left[\frac{7}{6} \pi+2 n \pi, \frac{11}{6} \pi+2 n \pi\right] \\
.3=\left[2 n \pi, \frac{1}{4} \pi+2 n \pi, \pi+2 n \pi, \frac{5}{4} \pi+2 n \pi\right] . \\
.4=\left[\frac{1}{4} \pi+n \pi, \frac{3}{4} \pi+n \pi\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0030] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6600306-00031XX TrigonometryExercise6 Answers for No. 14157

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
. l=[] & .2=\left[\frac{\pi}{3}\right]
\end{array}\right], \quad,\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T \\
.3=\left[\frac{\pi}{8}, \frac{3 \pi}{8}\right] & .4=\left[\frac{\pi}{6}\right]
\end{array}\right] \\
& A n s 2=\left[\begin{array}{cc}
. l=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}\right] & .2=\left[0, \frac{2 \pi}{3}, \frac{4 \pi}{3}\right] \\
.3=\left[\frac{\pi}{3}, \frac{\pi}{2}, \frac{3 \pi}{2}, \frac{5 \pi}{3}\right] & 4=\left[\frac{7 \pi}{4}\right] \\
.5=\left[0, \frac{\pi}{4}, \pi, \frac{5 \pi}{4}\right] & .6=\left[\frac{\pi}{6}, \frac{\pi}{2}, \frac{5 \pi}{6}, \frac{7 \pi}{6}, \frac{3 \pi}{2}, \frac{11 \pi}{6}\right]
\end{array}\right] \\
& \text { Ans } 3=\left[\begin{array}{cc}
.1=\left[30^{\circ}\right] & .2=\left[30^{\circ}\right] \\
.3=\left[0,45^{\circ}\right] & .4=[0]
\end{array}\right], \quad, \quad\left[\begin{array}{cc}
M & @ \\
a & M \\
t & U \\
h & T
\end{array}\right] \\
& \text { Ans } 4=\left[\begin{array}{cc}
.1=\left[210^{\circ}, 270^{\circ}, 330^{\circ}\right] & .2=\left[60^{\circ}, 180^{\circ}, 300^{\circ}\right] \\
.3=\left[90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}\right] & .4=\left[135^{\circ}\right] \\
.5=\left[0,180^{\circ}\right] & .6=\left[60^{\circ}, 90^{\circ}, 120^{\circ}, 240^{\circ}, 270^{\circ}, 300^{\circ}\right]
\end{array}\right]
\end{aligned}
$$

x [Page = 0031] Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

##  [ $>$

