TrigonometryExercise3 Answers for No.9844

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{3\pi}{2} = 270^{o}\right) & .6 = \left(\frac{59\pi}{4} = 2655^{o}\right) \\ .2 = \left(-\frac{5\pi}{6} = (-150)^{o}\right) & .7 = \left(-\frac{40\pi}{3} = (-2400)^{o}\right) \\ .3 = \left(-\frac{4\pi}{3} = (-240)^{o}\right) & .8 = \left(\frac{37\pi}{6} = 1110^{o}\right) \\ .4 = \left(\frac{\pi}{4} = 45^{o}\right) & .9 = (7 = 401.070^{o}) \\ .5 = \left(-\frac{23\pi}{2} = (-2070)^{o}\right) & .10 = (-4.5 = (-257.831)^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(90^{o} = \frac{\pi}{2}\right) & .6 = \left(870^{o} = \frac{29\pi}{6}\right) \\ .2 = \left((-300)^{o} = -\frac{5\pi}{3}\right) & .7 = \left((-1125)^{o} = -\frac{25\pi}{4}\right) \\ .3 = \left((-135)^{o} = -\frac{3\pi}{4}\right) & .8 = \left((-2280)^{o} = -\frac{38\pi}{3}\right) \\ .4 = \left(330^{o} = \frac{11\pi}{6}\right) & .9 = \left(\left(\frac{180}{\pi}\right)^{o} = 1.000\right) \\ .5 = \left((-1890)^{o} = -\frac{21\pi}{2}\right) & .10 = \left(\left(\frac{990}{\pi}\right)^{o} = 5.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\mathrm{Tan}(\theta) = -\frac{5\sqrt{119}}{119}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = \left[.1 = [Quadrant = Q2], .2 = \left[\mathrm{Sin}(\theta) = \frac{\sqrt{37}}{37}\right]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Cot}(\theta) + \mathrm{Cos}(\theta) = \frac{27}{20}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Cot}(\theta) + \mathrm{Csc}(\theta) = \frac{1}{2}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\mathrm{Sin}(\theta) + \mathrm{Tan}(\theta) = \frac{8\sqrt{10}}{21}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\mathrm{Sec}(\theta) + \mathrm{Sin}(\theta) = \frac{\sqrt{2}}{2}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.9872

$$Ans1 = \begin{bmatrix} .1 = (\pi = 180^{o}) & .6 = \left(-\frac{23\,\pi}{6} = (-690)^{o}\right) \\ .2 = \left(\frac{5\,\pi}{3} = 300^{o}\right) & .7 = \left(\frac{19\,\pi}{4} = 855^{o}\right) \\ .3 = \left(\frac{5\,\pi}{4} = 225^{o}\right) & .8 = \left(-\frac{41\,\pi}{3} = (-2460)^{o}\right) \\ .4 = \left(-\frac{7\,\pi}{6} = (-210)^{o}\right) & .9 = (5 = 286.479^{o}) \\ .5 = \left(\frac{31\,\pi}{2} = 2790^{o}\right) & .10 = (1.5 = 85.944^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(270^{o} = \frac{3\,\pi}{2}\right) & .6 = \left((-1860)^{o} = -\frac{31\,\pi}{3}\right) \\ .2 = \left(150^{o} = \frac{5\,\pi}{6}\right) & .7 = \left(765^{o} = \frac{17\,\pi}{4}\right) \\ .3 = \left(315^{o} = \frac{7\,\pi}{4}\right) & .8 = \left(750^{o} = \frac{25\,\pi}{6}\right) \\ .4 = \left(60^{o} = \frac{\pi}{3}\right) & .9 = \left(\left(\frac{90}{\pi}\right)^{o} = 0.500\right) \\ .5 = \left((-1530)^{o} = -\frac{17\,\pi}{2}\right) & .10 = \left(\left(\frac{990}{\pi}\right)^{o} = 5.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q4], .2 = \left(\mathrm{Tan}(\theta) = -\frac{\sqrt{21}}{2}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = \left[.1 = [Quadrant = Q2], .2 = \left[\mathrm{Cos}(\theta) = -\frac{\sqrt{2}}{10}\right]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Cos}(\theta) - \mathrm{Sin}(\theta) = \frac{\sqrt{13}}{13}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Sec}(\theta) - \mathrm{Cot}(\theta) = \frac{61\sqrt{33}}{132}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = [\mathrm{Csc}(\theta) - \mathrm{Cot}(\theta) = \sqrt{3}], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\mathrm{Csc}(\theta) - \mathrm{Sec}(\theta) = \frac{\sqrt{85}}{42}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.9873

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{\pi}{2} = 90^{o}\right) & .6 = \left(\frac{43\pi}{3} = 2580^{o}\right) \\ .2 = \left(\frac{\pi}{6} = 30^{o}\right) & .7 = \left(\frac{37\pi}{6} = 1110^{o}\right) \\ .3 = \left(-\frac{7\pi}{4} = (-315)^{o}\right) & .8 = \left(\frac{37\pi}{4} = 1665^{o}\right) \\ .4 = \left(-\frac{\pi}{3} = (-60)^{o}\right) & .9 = (4 = 229.183^{o}) \\ .5 = \left(-\frac{23\pi}{2} = (-2070)^{o}\right) & .10 = (-1.5 = (-85.944)^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(270^{o} = \frac{3\pi}{2}\right) & .6 = \left(1200^{o} = \frac{20\pi}{3}\right) \\ .2 = \left((-225)^{o} = -\frac{5\pi}{4}\right) & .7 = \left(2010^{o} = \frac{67\pi}{6}\right) \\ .3 = \left((-240)^{o} = -\frac{4\pi}{3}\right) & .8 = \left(765^{o} = \frac{17\pi}{4}\right) \\ .4 = \left((-330)^{o} = -\frac{11\pi}{6}\right) & .9 = \left(\left(\frac{180}{\pi}\right)^{o} = 1.000\right) \\ .5 = ((-2160)^{o} = -12\pi) & .10 = \left(\left(\frac{540}{\pi}\right)^{o} = 3.000\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\text{Tan}(\theta) = -\frac{2\sqrt{5}}{5}\right) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = [.1 = [Quadrant = Q4], .2 = [\text{Csc}(\theta) = -\sqrt{37}]], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\text{Cos}(\theta) - \text{Tan}(\theta) = \frac{11\sqrt{21}}{105}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\text{Sec}(\theta) + \text{Sin}(\theta) = -\frac{129\sqrt{89}}{712}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\text{Csc}(\theta) + \text{Cos}(\theta) = \frac{13\sqrt{17}}{68}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\text{Cot}(\theta) - \text{Cos}(\theta) = -\frac{5\sqrt{15}}{4}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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$$Ans1 = \begin{bmatrix} .1 = \left(\frac{3\pi}{2} = 270^o\right) & .6 = \left(\frac{8\pi}{3} = 480^o\right) \\ .2 = \left(\frac{7\pi}{6} = 210^o\right) & .7 = \left(\frac{21\pi}{4} = 945^o\right) \\ .3 = \left(\frac{4\pi}{3} = 240^o\right) & .8 = \left(\frac{29\pi}{6} = 870^o\right) \\ .4 = \left(\frac{5\pi}{4} = 225^o\right) & .9 = (3 = 171.887^o) \\ .5 = \left(-\frac{13\pi}{2} = (-1170)^o\right) & .10 = (2.5 = 143.239^o) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(90^o = \frac{\pi}{2}\right) & .6 = \left((-2490)^o = -\frac{83\pi}{6}\right) \\ .2 = \left(315^o = \frac{7\pi}{4}\right) & .7 = \left(1380^o = \frac{23\pi}{3}\right) \\ .3 = \left(30^o = \frac{\pi}{6}\right) & .8 = \left(2295^o = \frac{51\pi}{4}\right) \\ .4 = \left((-300)^o = -\frac{5\pi}{3}\right) & .9 = \left(\left(\frac{180}{\pi}\right)^o = 1.000\right) \\ .5 = ((-1800)^o = -10\pi) & .10 = \left(\left(-\frac{810}{\pi}\right)^o = -4.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q4], .2 = \left(\mathrm{Sin}(\theta) = -\frac{\sqrt{3}}{2}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = \left[.1 = [Quadrant = Q3], .2 = \left[\mathrm{Sin}(\theta) = -\frac{3\sqrt{10}}{10}\right]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Sec}(\theta) - \mathrm{Sin}(\theta) = \frac{7\sqrt{13}}{39}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Cos}(\theta) + \mathrm{Sin}(\theta) = -\frac{13\sqrt{85}}{85}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\mathrm{Cot}(\theta) + \mathrm{Csc}(\theta) = \frac{\sqrt{119}}{17}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\mathrm{Sec}(\theta) + \mathrm{Sin}(\theta) = \frac{19\sqrt{34}}{170}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.9885

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{\pi}{2} = 90^{o}\right) & .6 = \left(-\frac{29\,\pi}{4} = (-1305)^{o}\right) \\ .2 = \left(-\frac{7\,\pi}{4} = (-315)^{o}\right) & .7 = \left(-\frac{41\,\pi}{3} = (-2460)^{o}\right) \\ .3 = \left(\frac{5\,\pi}{3} = 300^{o}\right) & .8 = \left(-\frac{65\,\pi}{6} = (-1950)^{o}\right) \\ .4 = \left(\frac{11\,\pi}{6} = 330^{o}\right) & .9 = (2 = 114.592^{o}) \\ .5 = \left(\frac{13\,\pi}{2} = 1170^{o}\right) & .10 = (-4.5 = (-257.831)^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(270^{o} = \frac{3\,\pi}{2}\right) & .6 = \left((-1410)^{o} = -\frac{47\,\pi}{6}\right) \\ .2 = \left((-135)^{o} = -\frac{3\,\pi}{4}\right) & .7 = \left(1920^{o} = \frac{32\,\pi}{3}\right) \\ .3 = \left(150^{o} = \frac{5\,\pi}{6}\right) & .8 = \left((-2205)^{o} = -\frac{49\,\pi}{4}\right) \\ .4 = \left((-60)^{o} = -\frac{\pi}{3}\right) & .9 = \left(\left(\frac{360}{\pi}\right)^{o} = 2.000\right) \\ .5 = \left((-990)^{o} = -\frac{11\,\pi}{2}\right) & .10 = \left(\left(\frac{540}{\pi}\right)^{o} = 3.000\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\mathrm{Sec}(\theta) = -\frac{2\sqrt{3}}{3}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = [.1 = [Quadrant = Q3], .2 = [\mathrm{Csc}(\theta) = -\sqrt{2}]], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Sin}(\theta) - \mathrm{Cos}(\theta) = \frac{2\sqrt{58}}{29}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Cos}(\theta) - \mathrm{Csc}(\theta) = \frac{7\sqrt{5}}{5}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\mathrm{Cos}(\theta) - \mathrm{Sin}(\theta) = -\frac{2\sqrt{58}}{29}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\mathrm{Sin}(\theta) - \mathrm{Cot}(\theta) = \frac{11\sqrt{2}}{12}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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$$Ans1 = \begin{bmatrix} .1 = (\pi = 180^o) & .6 = \left(-\frac{20\pi}{3} = (-1200)^o\right) \\ .2 = \left(-\frac{\pi}{3} = (-60)^o\right) & .7 = \left(\frac{47\pi}{6} = 1410^o\right) \\ .3 = \left(-\frac{5\pi}{6} = (-150)^o\right) & .8 = \left(-\frac{19\pi}{4} = (-855)^o\right) \\ .4 = \left(-\frac{\pi}{4} = (-45)^o\right) & .9 = (6 = 343.775^o) \\ .5 = \left(-\frac{29\pi}{2} = (-2610)^o\right) & .10 = (-6.5 = (-372.423)^o) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(90^o = \frac{\pi}{2}\right) & .6 = \left(1830^o = \frac{61\pi}{6}\right) \\ .2 = \left((-30)^o = -\frac{\pi}{6}\right) & .7 = \left((-1845)^o = -\frac{41\pi}{4}\right) \\ .3 = \left((-300)^o = -\frac{5\pi}{3}\right) & .8 = \left((-2040)^o = -\frac{34\pi}{3}\right) \\ .4 = \left((-315)^o = -\frac{7\pi}{4}\right) & .9 = \left(\left(\frac{180}{\pi}\right)^o = 1.000\right) \\ .5 = ((-1800)^o = -10\pi) & .10 = \left(\left(-\frac{810}{\pi}\right)^o = -4.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\text{Cos}(\theta) = -\frac{\sqrt{3}}{2}\right)\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = \left[.1 = [Quadrant = Q2], .2 = \left[\text{Csc}(\theta) = \frac{\sqrt{37}}{6}\right]\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\text{Cot}(\theta) + \text{Cos}(\theta) = \frac{3\sqrt{3}}{2}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\text{Sin}(\theta) + \text{Tan}(\theta) = \frac{5\sqrt{65}}{36}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\text{Sec}(\theta) - \text{Cot}(\theta) = \frac{31\sqrt{21}}{42}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\text{Cos}(\theta) - \text{Cot}(\theta) = \frac{5\sqrt{55}}{24}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.9898

$$Ans1 = \begin{bmatrix} .1 = (\pi = 180^{o}) & .6 = \left(\frac{21\pi}{4} = 945^{o}\right) \\ .2 = \left(\frac{7\pi}{6} = 210^{o}\right) & .7 = \left(-\frac{55\pi}{6} = (-1650)^{o}\right) \\ .3 = \left(-\frac{4\pi}{3} = (-240)^{o}\right) & .8 = \left(\frac{28\pi}{3} = 1680^{o}\right) \\ .4 = \left(-\frac{7\pi}{4} = (-315)^{o}\right) & .9 = (5 = 286.479^{o}) \\ .5 = \left(-\frac{5\pi}{2} = (-450)^{o}\right) & .10 = (5.5 = 315.127^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(90^{o} = \frac{\pi}{2}\right) & .6 = \left((-1380)^{o} = -\frac{23\pi}{3}\right) \\ .2 = \left((-330)^{o} = -\frac{11\pi}{6}\right) & .7 = \left(1950^{o} = \frac{65\pi}{6}\right) \\ .3 = \left(300^{o} = \frac{5\pi}{3}\right) & .8 = \left(495^{o} = \frac{11\pi}{4}\right) \\ .4 = \left(45^{o} = \frac{\pi}{4}\right) & .9 = \left(\left(\frac{180}{\pi}\right)^{o} = 1.000\right) \\ .5 = ((-1440)^{o} = -8\pi) & .10 = \left(\left(\frac{990}{\pi}\right)^{o} = 5.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\text{Sec}(\theta) = -\frac{7\sqrt{3}}{12}\right)\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = \left[.1 = [Quadrant = Q4], .2 = \left[\text{Sin}(\theta) = -\frac{6\sqrt{37}}{37}\right]\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\text{Cot}(\theta) + \text{Sec}(\theta) = \frac{19\sqrt{15}}{15}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\text{Tan}(\theta) + \text{Csc}(\theta) = -\frac{19\sqrt{11}}{55}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\text{Cot}(\theta) + \text{Sin}(\theta) = \frac{-11}{15}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\text{Cos}(\theta) - \text{Cot}(\theta) = \frac{7\sqrt{21}}{10}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.9899

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{\pi}{2} = 90^o\right) & .6 = \left(-\frac{61\pi}{4} = (-2745)^o\right) \\ .2 = \left(\frac{7\pi}{4} = 315^o\right) & .7 = \left(\frac{47\pi}{3} = 2820^o\right) \\ .3 = \left(-\frac{5\pi}{6} = (-150)^o\right) & .8 = \left(-\frac{55\pi}{6} = (-1650)^o\right) \\ .4 = \left(-\frac{4\pi}{3} = (-240)^o\right) & .9 = (5 = 286.479^o) \\ .5 = \left(-\frac{25\pi}{2} = (-2250)^o\right) & .10 = (4.5 = 257.831^o) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = (180^o = \pi) & .6 = \left(2280^o = \frac{38\pi}{3}\right) \\ .2 = \left((-30)^o = -\frac{\pi}{6}\right) & .7 = \left(2550^o = \frac{85\pi}{6}\right) \\ .3 = \left((-300)^o = -\frac{5\pi}{3}\right) & .8 = \left((-1125)^o = -\frac{25\pi}{4}\right) \\ .4 = \left((-135)^o = -\frac{3\pi}{4}\right) & .9 = \left(\left(\frac{270}{\pi}\right)^o = 1.500\right) \\ .5 = (1080^o = 6\pi) & .10 = \left(\left(-\frac{630}{\pi}\right)^o = -3.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q4], .2 = \left(\mathrm{Sin}(\theta) = -\frac{2\sqrt{2}}{3}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = [.1 = [Quadrant = Q3], .2 = [\mathrm{Sec}(\theta) = -\sqrt{26}]], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Sec}(\theta) - \mathrm{Tan}(\theta) = \frac{\sqrt{14}}{7}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Cos}(\theta) + \mathrm{Sin}(\theta) = \frac{-7}{5}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = [\mathrm{Sec}(\theta) + \mathrm{Tan}(\theta) = -\sqrt{3}], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\mathrm{Sec}(\theta) + \mathrm{Csc}(\theta) = -\frac{\sqrt{13}}{6}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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$$Ans1 = \begin{bmatrix} .1 = (\pi = 180^o) & .6 = \left(-\frac{20\pi}{3} = (-1200)^o\right) \\ .2 = \left(\frac{7\pi}{4} = 315^o\right) & .7 = \left(\frac{67\pi}{6} = 2010^o\right) \\ .3 = \left(\frac{5\pi}{3} = 300^o\right) & .8 = \left(\frac{35\pi}{4} = 1575^o\right) \\ .4 = \left(\frac{\pi}{6} = 30^o\right) & .9 = (7 = 401.070^o) \\ .5 = \left(-\frac{27\pi}{2} = (-2430)^o\right) & .10 = (5.5 = 315.127^o) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(270^o = \frac{3\pi}{2}\right) & .6 = \left((-420)^o = -\frac{7\pi}{3}\right) \\ .2 = \left(135^o = \frac{3\pi}{4}\right) & .7 = \left(1665^o = \frac{37\pi}{4}\right) \\ .3 = \left(60^o = \frac{\pi}{3}\right) & .8 = \left(390^o = \frac{13\pi}{6}\right) \\ .4 = \left((-330)^o = -\frac{11\pi}{6}\right) & .9 = \left(\left(\frac{270}{\pi}\right)^o = 1.500\right) \\ .5 = ((-1440)^o = -8\pi) & .10 = \left(\left(\frac{540}{\pi}\right)^o = 3.000\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q4], .2 = \left(\mathrm{Sin}(\theta) = -\frac{4\sqrt{3}}{7}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = \left[.1 = [Quadrant = Q4], .2 = \left[\mathrm{Sin}(\theta) = -\frac{2\sqrt{5}}{5}\right]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Sec}(\theta) + \mathrm{Csc}(\theta) = \frac{9\sqrt{53}}{14}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Sin}(\theta) - \mathrm{Tan}(\theta) = \frac{21\sqrt{7}}{8}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\mathrm{Csc}(\theta) + \mathrm{Cos}(\theta) = -\frac{109\sqrt{74}}{370}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\mathrm{Cot}(\theta) - \mathrm{Sec}(\theta) = -\frac{41\sqrt{6}}{120}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.10000

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{3\pi}{2} = 270^{o}\right) & .6 = \left(\frac{33\pi}{4} = 1485^{o}\right) \\ .2 = \left(\frac{\pi}{3} = 60^{o}\right) & .7 = \left(-\frac{71\pi}{6} = (-2130)^{o}\right) \\ .3 = \left(-\frac{5\pi}{4} = (-225)^{o}\right) & .8 = \left(\frac{11\pi}{3} = 660^{o}\right) \\ .4 = \left(\frac{\pi}{6} = 30^{o}\right) & .9 = (3 = 171.887^{o}) \\ .5 = \left(-\frac{7\pi}{2} = (-630)^{o}\right) & .10 = (-6.5 = (-372.423)^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(90^{o} = \frac{\pi}{2}\right) & .6 = \left((-2670)^{o} = -\frac{89\pi}{6}\right) \\ .2 = \left(240^{o} = \frac{4\pi}{3}\right) & .7 = \left((-1860)^{o} = -\frac{31\pi}{3}\right) \\ .3 = \left((-135)^{o} = -\frac{3\pi}{4}\right) & .8 = \left((-2835)^{o} = -\frac{63\pi}{4}\right) \\ .4 = \left(150^{o} = \frac{5\pi}{6}\right) & .9 = \left(\left(\frac{90}{\pi}\right)^{o} = 0.500\right) \\ .5 = ((-2520)^{o} = -14\pi) & .10 = \left(\left(-\frac{450}{\pi}\right)^{o} = -2.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\text{Cos}(\theta) = -\frac{\sqrt{3}}{2}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = [.1 = [Quadrant = Q3], .2 = [\text{Sec}(\theta) = -\sqrt{17}]], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\text{Cot}(\theta) - \text{Csc}(\theta) = -\frac{\sqrt{3}}{3}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\text{Cot}(\theta) + \text{Cos}(\theta) = -\frac{3\sqrt{3}}{2}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\text{Cot}(\theta) - \text{Sec}(\theta) = -\frac{151\sqrt{6}}{120}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\text{Csc}(\theta) - \text{Tan}(\theta) = -\frac{5\sqrt{3}}{3}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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