TrigonometryExercise3 Answers for No.9395

$$Ans1 = \begin{bmatrix} .1 = (\pi = 180^o) & .6 = \left(\frac{57\pi}{4} = 2565^o\right) \\ .2 = \left(\frac{\pi}{6} = 30^o\right) & .7 = \left(\frac{41\pi}{6} = 1230^o\right) \\ .3 = \left(\frac{4\pi}{3} = 240^o\right) & .8 = \left(-\frac{29\pi}{3} = (-1740)^o\right) \\ .4 = \left(-\frac{3\pi}{4} = (-135)^o\right) & .9 = (2 = 114.592^o) \\ .5 = \left(\frac{7\pi}{2} = 630^o\right) & .10 = (0.5 = 28.648^o) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(270^o = \frac{3\pi}{2}\right) & .6 = \left((-570)^o = -\frac{19\pi}{6}\right) \\ .2 = \left((-315)^o = -\frac{7\pi}{4}\right) & .7 = \left(840^o = \frac{14\pi}{3}\right) \\ .3 = \left((-150)^o = -\frac{5\pi}{6}\right) & .8 = \left((-2655)^o = -\frac{59\pi}{4}\right) \\ .4 = \left(120^o = \frac{2\pi}{3}\right) & .9 = \left(\left(\frac{270}{\pi}\right)^o = 1.500\right) \\ .5 = (2160^o = 12\pi) & .10 = \left(\left(-\frac{990}{\pi}\right)^o = -5.500\right) \end{bmatrix}$$

$$Ans3 = [.1 = [Quadrant = Q4], .2 = (\mathrm{Tan}(\theta) = -\sqrt{3})], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$Ans4 = \left[.1 = [Quadrant = Q4], .2 = \left[\mathrm{Csc}(\theta) = -\frac{5\sqrt{2}}{7} \right] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$Ans5 = \left[\mathrm{Sec}(\theta) + \mathrm{Cot}(\theta) = \frac{41\sqrt{11}}{55} \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$Ans6 = \left[\mathrm{Tan}(\theta) - \mathrm{Csc}(\theta) = \frac{11\sqrt{2}}{4} \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$Ans7 = \left[\mathrm{Cot}(\theta) + \mathrm{Cos}(\theta) = -\frac{\sqrt{3}}{2} \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$Ans8 = \left[\mathrm{Sin}(\theta) - \mathrm{Cot}(\theta) = \frac{5\sqrt{3}}{6} \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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TrigonometryExercise3 Answers for No.9419

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{3\,\pi}{2} = 270^{o}\right) & .6 = \left(-\frac{17\,\pi}{4} = (\text{-}765)^{o}\right) \\ .2 = \left(\frac{7\,\pi}{6} = 210^{o}\right) & .7 = \left(-\frac{44\,\pi}{3} = (\text{-}2640)^{o}\right) \\ .3 = \left(\frac{5\,\pi}{4} = 225^{o}\right) & .8 = \left(\frac{83\,\pi}{6} = 2490^{o}\right) \\ .4 = \left(-\frac{5\,\pi}{3} = (\text{-}300)^{o}\right) & .9 = (7 = 401.070^{o}) \\ .5 = \left(-\frac{19\,\pi}{2} = (\text{-}1710)^{o}\right) & .10 = (6.5 = 372.423^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = (180^{o} = \pi) & .6 = \left((\text{-}1215)^{o} = -\frac{27\,\pi}{4}\right) \\ .2 = \left((\text{-}240)^{o} = -\frac{4\,\pi}{3}\right) & .7 = \left((\text{-}870)^{o} = -\frac{29\,\pi}{6}\right) \\ .3 = \left(315^{o} = \frac{7\,\pi}{4}\right) & .8 = \left(1020^{o} = \frac{17\,\pi}{3}\right) \\ .4 = \left(150^{o} = \frac{5\,\pi}{6}\right) & .9 = \left(\left(\frac{90}{\pi}\right)^{o} = 0.500\right) \\ .5 = ((\text{-}360)^{o} = -2\,\pi) & .10 = \left(\left(-\frac{630}{\pi}\right)^{o} = \text{-}3.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\operatorname{Cot}(\theta) = \frac{\text{-}4}{3}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = \left[.1 = [Quadrant = Q3], .2 = \left[\operatorname{Cos}(\theta) = -\frac{5\sqrt{26}}{26}\right]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\operatorname{Csc}(\theta) + \operatorname{Cot}(\theta) = \frac{\sqrt{77}}{7}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\operatorname{Sec}(\theta) + \operatorname{Tan}(\theta) = -\frac{\sqrt{77}}{7}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\operatorname{Csc}(\theta) - \operatorname{Cot}(\theta) = -\frac{\sqrt{65}}{5}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = [\operatorname{Sec}(\theta) + \operatorname{Csc}(\theta) = 0], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.9428

$$Ans1 = \begin{bmatrix} .1 = (\pi = 180^{\circ}) & .6 = \left(\frac{29\,\pi}{3} = 1740^{\circ}\right) \\ .2 = \left(-\frac{4\,\pi}{3} = (\text{-}240)^{\circ}\right) & .7 = \left(-\frac{95\,\pi}{6} = (\text{-}2850)^{\circ}\right) \\ .3 = \left(-\frac{\pi}{6} = (\text{-}30)^{\circ}\right) & .8 = \left(\frac{25\,\pi}{4} = 1125^{\circ}\right) \\ .4 = \left(\frac{\pi}{4} = 45^{\circ}\right) & .9 = (3 = 171.887^{\circ}) \\ .5 = \left(\frac{19\,\pi}{2} = 1710^{\circ}\right) & .10 = (\text{-}5.5 = (\text{-}315.127)^{\circ}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(90^{\circ} = \frac{\pi}{2}\right) & .6 = \left(1755^{\circ} = \frac{39\,\pi}{4}\right) \\ .2 = \left(315^{\circ} = \frac{7\,\pi}{4}\right) & .7 = \left(1200^{\circ} = \frac{20\,\pi}{3}\right) \\ .3 = \left((\text{-}60)^{\circ} = -\frac{\pi}{3}\right) & .8 = \left(2370^{\circ} = \frac{79\,\pi}{6}\right) \\ .4 = \left(150^{\circ} = \frac{5\,\pi}{6}\right) & .9 = \left(\left(\frac{360}{\pi}\right)^{\circ} = 2.000\right) \\ .5 = \left((\text{-}2250)^{\circ} = -\frac{25\,\pi}{2}\right) & .10 = \left(\left(-\frac{720}{\pi}\right)^{\circ} = \text{-}4.000\right) \end{bmatrix}$$

$$Ans3 = [.1 = [Quadrant = Q2], .2 = (\mathrm{Cot}(\theta) = -\sqrt{3})], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

$$Ans5 = \left[\mathrm{Tan}(\theta) + \mathrm{Csc}(\theta) = \frac{41\sqrt{35}}{35}\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$Ans6 = \left[\mathrm{Cos}(\theta) + \mathrm{Sin}(\theta) = -\frac{3\sqrt{5}}{5}\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$Ans7 = \left[\mathrm{Sec}(\theta) + \mathrm{Csc}(\theta) = -\frac{3\sqrt{29}}{10}\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$Ans8 = \left[\mathrm{Sec}(\theta) - \mathrm{Cot}(\theta) = \frac{\sqrt{3}}{3}\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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TrigonometryExercise3 Answers for No.9459

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{\pi}{2} = 90^{o}\right) & .6 = \left(\frac{37\,\pi}{6} = 1110^{o}\right) \\ .2 = \left(\frac{4\,\pi}{3} = 240^{o}\right) & .7 = \left(-\frac{25\,\pi}{4} = (-1125)^{o}\right) \\ .3 = \left(-\frac{7\,\pi}{6} = (-210)^{o}\right) & .8 = \left(\frac{10\,\pi}{3} = 600^{o}\right) \\ .4 = \left(-\frac{\pi}{4} = (-45)^{o}\right) & .9 = (7 = 401.070^{o}) \\ .5 = \left(-\frac{21\,\pi}{2} = (-1890)^{o}\right) & .10 = (-3.5 = (-200.535)^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(270^{o} = \frac{3\,\pi}{2}\right) & .6 = \left(2640^{o} = \frac{44\,\pi}{3}\right) \\ .2 = \left((-30)^{o} = -\frac{\pi}{6}\right) & .7 = \left((-855)^{o} = -\frac{19\,\pi}{4}\right) \\ .3 = \left(60^{o} = \frac{\pi}{3}\right) & .8 = \left((-2670)^{o} = -\frac{89\,\pi}{6}\right) \\ .4 = \left(135^{o} = \frac{3\,\pi}{4}\right) & .9 = \left(\left(\frac{90}{\pi}\right)^{o} = 0.500\right) \\ .5 = (2880^{o} = 16\,\pi) & .10 = \left(\left(-\frac{900}{\pi}\right)^{o} = -5.000\right) \end{bmatrix}$$

$$Ans3 = \left[\ .1 = [Quadrant = Q2],\ .2 = \left(\mathrm{Cos}(\theta) = -\frac{\sqrt{15}}{4}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = \left[\ .1 = [Quadrant = Q3],\ .2 = \left[\mathrm{Csc}(\theta) = -\frac{\sqrt{17}}{4}\right]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Cos}(\theta) - \mathrm{Csc}(\theta) = -\frac{49\sqrt{73}}{219}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Sec}(\theta) + \mathrm{Tan}(\theta) = -\frac{\sqrt{77}}{7}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\mathrm{Sin}(\theta) - \mathrm{Tan}(\theta) = -\frac{32\sqrt{3}}{7}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\mathrm{Csc}(\theta) - \mathrm{Sec}(\theta) = \frac{-35}{12}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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$$Ans1 = \begin{bmatrix} .1 = \left(\frac{\pi}{2} = 90^{o}\right) & .6 = \left(-\frac{47\,\pi}{4} = (\text{-}2115)^{o}\right) \\ .2 = \left(\frac{11\,\pi}{6} = 330^{o}\right) & .7 = \left(\frac{55\,\pi}{6} = 1650^{o}\right) \\ .3 = \left(\frac{4\,\pi}{3} = 240^{o}\right) & .8 = \left(-\frac{20\,\pi}{3} = (\text{-}1200)^{o}\right) \\ .4 = \left(\frac{\pi}{4} = 45^{o}\right) & .9 = (1 = 57.296^{o}) \\ .5 = \left(-\frac{15\,\pi}{2} = (\text{-}1350)^{o}\right) & .10 = (4.5 = 257.831^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(270^{o} = \frac{3\,\pi}{2}\right) & .6 = \left(1230^{o} = \frac{41\,\pi}{6}\right) \\ .2 = \left(30^{o} = \frac{\pi}{6}\right) & .7 = \left((\text{-}2745)^{o} = -\frac{61\,\pi}{4}\right) \\ .3 = \left(120^{o} = \frac{2\,\pi}{3}\right) & .8 = \left(1680^{o} = \frac{28\,\pi}{3}\right) \\ .4 = \left((\text{-}135)^{o} = -\frac{3\,\pi}{4}\right) & .9 = \left(\left(\frac{360}{\pi}\right)^{o} = 2.000\right) \\ .5 = ((\text{-}720)^{o} = -4\,\pi) & .10 = \left(\left(\frac{630}{\pi}\right)^{o} = 3.500\right) \end{bmatrix}$$

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

$$Ans4 = [.1 = [Quadrant = Q2], .2 = [\mathrm{Csc}(\theta) = \sqrt{5}\,]], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Tan}(\theta) - \mathrm{Csc}(\theta) = -\frac{\sqrt{39}}{195}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Sec}(\theta) + \mathrm{Csc}(\theta) = -\frac{13\sqrt{89}}{40}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\mathrm{Csc}(\theta) - \mathrm{Sec}(\theta) = \frac{\text{-}35}{12}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

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$$Ans1 = \begin{bmatrix} .1 = \left(\frac{3\pi}{2} = 270^o\right) & .6 = \left(\frac{13\pi}{6} = 390^o\right) \\ .2 = \left(-\frac{2\pi}{3} = (-120)^o\right) & .7 = \left(-\frac{39\pi}{4} = (-1755)^o\right) \\ .3 = \left(-\frac{11\pi}{6} = (-330)^o\right) & .8 = \left(-\frac{20\pi}{3} = (-1200)^o\right) \\ .4 = \left(-\frac{\pi}{4} = (-45)^o\right) & .9 = (5 = 286.479^o) \\ .5 = \left(\frac{21\pi}{2} = 1890^o\right) & .10 = (-2.5 = (-143.239)^o) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(90^o = \frac{\pi}{2}\right) & .6 = \left(2010^o = \frac{67\pi}{6}\right) \\ .2 = \left(300^o = \frac{5\pi}{3}\right) & .7 = \left(945^o = \frac{21\pi}{4}\right) \\ .3 = \left((-315)^o = -\frac{7\pi}{4}\right) & .8 = \left((-1740)^o = -\frac{29\pi}{3}\right) \\ .4 = \left((-30)^o = -\frac{\pi}{6}\right) & .9 = \left(\left(\frac{180}{\pi}\right)^o = 1.000\right) \\ .5 = \left((-1350)^o = -\frac{15\pi}{2}\right) & .10 = \left(\left(-\frac{810}{\pi}\right)^o = -4.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\mathrm{Tan}(\theta) = -\frac{\sqrt{6}}{12}\right)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = \left[.1 = [Quadrant = Q4], .2 = \left[\mathrm{Csc}(\theta) = -\frac{5\sqrt{2}}{7}\right]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Cot}(\theta) + \mathrm{Sin}(\theta) = \frac{55\sqrt{3}}{84}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Tan}(\theta) - \mathrm{Cos}(\theta) = -\frac{5\sqrt{3}}{6}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = [\mathrm{Csc}(\theta) - \mathrm{Cot}(\theta) = -\sqrt{11}\,], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = [\mathrm{Sec}(\theta) + \mathrm{Tan}(\theta) = -\sqrt{3}\,], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.9633

$$Ans1 = \begin{bmatrix} .1 = (\pi = 180^{o}) & .6 = \left(\frac{89\,\pi}{6} = 2670^{o}\right) \\ .2 = \left(\frac{4\,\pi}{3} = 240^{o}\right) & .7 = \left(-\frac{25\,\pi}{4} = (-1125)^{o}\right) \\ .3 = \left(\frac{11\,\pi}{6} = 330^{o}\right) & .8 = \left(\frac{41\,\pi}{3} = 2460^{o}\right) \\ .4 = \left(\frac{\pi}{4} = 45^{o}\right) & .9 = (6 = 343.775^{o}) \\ .5 = \left(\frac{7\,\pi}{2} = 630^{o}\right) & .10 = (0.5 = 28.648^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(90^{o} = \frac{\pi}{2}\right) & .6 = \left(2370^{o} = \frac{79\,\pi}{6}\right) \\ .2 = \left(210^{o} = \frac{7\,\pi}{6}\right) & .7 = \left(945^{o} = \frac{21\,\pi}{4}\right) \\ .3 = \left(225^{o} = \frac{5\,\pi}{4}\right) & .8 = \left((-1860)^{o} = -\frac{31\,\pi}{3}\right) \\ .4 = \left((-60)^{o} = -\frac{\pi}{3}\right) & .9 = \left(\left(\frac{90}{\pi}\right)^{o} = 0.500\right) \\ .5 = ((-720)^{o} = -4\,\pi) & .10 = \left(\left(\frac{810}{\pi}\right)^{o} = 4.500\right) \end{bmatrix}$$

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

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

$$Ans5 = \left[\mathrm{Cos}(\theta) - \mathrm{Sin}(\theta) = \frac{-1}{5}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Csc}(\theta) + \mathrm{Cot}(\theta) = \frac{\sqrt{11}}{11}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\mathrm{Cos}(\theta) - \mathrm{Csc}(\theta) = \frac{3\sqrt{2}}{2}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

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TrigonometryExercise3 Answers for No.9711

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{\pi}{2} = 90^o\right) & .6 = \left(\frac{47\pi}{4} = 2115^o\right) \\ .2 = \left(\frac{5\pi}{6} = 150^o\right) & .7 = \left(\frac{83\pi}{6} = 2490^o\right) \\ .3 = \left(\frac{5\pi}{3} = 300^o\right) & .8 = \left(\frac{19\pi}{3} = 1140^o\right) \\ .4 = \left(-\frac{5\pi}{4} = (\text{-}225)^o\right) & .9 = (5 = 286.479^o) \\ .5 = \left(-\frac{23\pi}{2} = (\text{-}2070)^o\right) & .10 = (\text{-}3.5 = (\text{-}200.535)^o) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = (180^o = \pi) & .6 = \left(2280^o = \frac{38\pi}{3}\right) \\ .2 = \left((\text{-}60)^o = -\frac{\pi}{3}\right) & .7 = \left((\text{-}1470)^o = -\frac{49\pi}{6}\right) \\ .3 = \left(315^o = \frac{7\pi}{4}\right) & .8 = \left(405^o = \frac{9\pi}{4}\right) \\ .4 = \left((\text{-}210)^o = -\frac{7\pi}{6}\right) & .9 = \left(\left(\frac{360}{\pi}\right)^o = 2.000\right) \\ .5 = ((\text{-}360)^o = -2\pi) & .10 = \left(\left(-\frac{450}{\pi}\right)^o = \text{-}2.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\text{Cos}(\theta) = -\frac{\sqrt{55}}{8}\right)\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

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

$$Ans5 = \left[\text{Sec}(\theta) - \text{Sin}(\theta) = \frac{37\sqrt{58}}{174}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\text{Sec}(\theta) + \text{Cot}(\theta) = \frac{11\sqrt{21}}{42}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\text{Tan}(\theta) + \text{Csc}(\theta) = -\frac{59\sqrt{77}}{154}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\text{Csc}(\theta) - \text{Sec}(\theta) = -\frac{3\sqrt{5}}{2}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.9784

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{3\pi}{2} = 270^{o}\right) & .6 = \left(\frac{11\pi}{4} = 495^{o}\right) \\ .2 = \left(\frac{7\pi}{4} = 315^{o}\right) & .7 = \left(-\frac{11\pi}{3} = (-660)^{o}\right) \\ .3 = \left(-\frac{5\pi}{6} = (-150)^{o}\right) & .8 = \left(\frac{83\pi}{6} = 2490^{o}\right) \\ .4 = \left(-\frac{5\pi}{3} = (-300)^{o}\right) & .9 = (1 = 57.296^{o}) \\ .5 = \left(-\frac{13\pi}{2} = (-1170)^{o}\right) & .10 = (2.5 = 143.239^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = \left(90^{o} = \frac{\pi}{2}\right) & .6 = \left((-750)^{o} = -\frac{25\pi}{6}\right) \\ .2 = \left((-45)^{o} = -\frac{\pi}{4}\right) & .7 = \left(480^{o} = \frac{8\pi}{3}\right) \\ .3 = \left((-330)^{o} = -\frac{11\pi}{6}\right) & .8 = \left((-2025)^{o} = -\frac{45\pi}{4}\right) \\ .4 = \left(240^{o} = \frac{4\pi}{3}\right) & .9 = \left(\left(\frac{270}{\pi}\right)^{o} = 1.500\right) \\ .5 = ((-2520)^{o} = -14\pi) & .10 = \left(\left(\frac{810}{\pi}\right)^{o} = 4.500\right) \end{bmatrix}$$

$$Ans3 = \left[.1 = [Quadrant = Q2], .2 = \left(\mathrm{Tan}(\theta) = -\frac{4\sqrt{33}}{33}\right)\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans4 = [.1 = [Quadrant = Q3], .2 = [\mathrm{Sec}(\theta) = -\sqrt{5}\,]], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans5 = \left[\mathrm{Cos}(\theta) - \mathrm{Tan}(\theta) = \frac{29\sqrt{35}}{210}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Cos}(\theta) - \mathrm{Cot}(\theta) = \frac{\sqrt{5}}{6}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\mathrm{Sec}(\theta) - \mathrm{Csc}(\theta) = \frac{5\sqrt{13}}{6}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\mathrm{Cos}(\theta) + \mathrm{Tan}(\theta) = \frac{5\sqrt{7}}{28}\right], \quad \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 Answers for No.10143

$$Ans1 = \begin{bmatrix} .1 = \left(\frac{\pi}{2} = 90^{o}\right) & .6 = \left(\frac{32\,\pi}{3} = 1920^{o}\right) \\ .2 = \left(\frac{7\,\pi}{6} = 210^{o}\right) & .7 = \left(\frac{13\,\pi}{4} = 585^{o}\right) \\ .3 = \left(-\frac{\pi}{4} = (-45)^{o}\right) & .8 = \left(\frac{73\,\pi}{6} = 2190^{o}\right) \\ .4 = \left(-\frac{5\,\pi}{3} = (-300)^{o}\right) & .9 = (7 = 401.070^{o}) \\ .5 = \left(-\frac{31\,\pi}{2} = (-2790)^{o}\right) & .10 = (0.5 = 28.648^{o}) \end{bmatrix}$$

$$Ans2 = \begin{bmatrix} .1 = (180^{o} = \pi) & .6 = \left(1035^{o} = \frac{23\,\pi}{4}\right) \\ .2 = \left(240^{o} = \frac{4\,\pi}{3}\right) & .7 = \left((-1770)^{o} = -\frac{59\,\pi}{6}\right) \\ .3 = \left(135^{o} = \frac{3\,\pi}{4}\right) & .8 = \left((-2760)^{o} = -\frac{46\,\pi}{3}\right) \\ .4 = \left(150^{o} = \frac{5\,\pi}{6}\right) & .9 = \left(\left(\frac{180}{\pi}\right)^{o} = 1.000\right) \\ .5 = (1800^{o} = 10\,\pi) & .10 = \left(\left(-\frac{900}{\pi}\right)^{o} = -5.000\right) \end{bmatrix}$$

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

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

$$Ans5 = \left[\mathrm{Csc}(\theta) - \mathrm{Cot}(\theta) = \frac{\sqrt{3}}{2}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans6 = \left[\mathrm{Tan}(\theta) - \mathrm{Sin}(\theta) = -\frac{7\sqrt{91}}{30}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans7 = \left[\mathrm{Cot}(\theta) + \mathrm{Sin}(\theta) = -\frac{61\sqrt{91}}{910}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$Ans8 = \left[\mathrm{Csc}(\theta) - \mathrm{Sec}(\theta) = \frac{5\sqrt{13}}{6}\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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