TrigonometryExercise3 for No.9594

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = -\frac{32\pi}{3} \\ .2 = \frac{11\pi}{6} & .7 = \frac{33\pi}{4} \\ .3 = \frac{7\pi}{4} & .8 = \frac{59\pi}{6} \\ .4 = \frac{\pi}{3} & .9 = 4 \\ .5 = \frac{5\pi}{2} & .10 = 3.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = 2115^{o} \\ .2 = (-135)^{o} & .7 = (-1830)^{o} \\ .3 = 30^{o} & .8 = 2100^{o} \\ .4 = (-300)^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = 1350^{o} & .10 = \left(\frac{720}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Sin}(\theta) = \frac{5}{11} \right], Condition2 = [\mathrm{Sec}(\theta) < 0], Quest = \mathrm{Cot}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No4 = [Condition1 = [\mathrm{Sin}(\theta) < 0], Condition2 = [\mathrm{Cot}(\theta) = 1], Quest = \mathrm{Sec}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = [\mathrm{Tan}(\theta) = 2], Quest = [\mathrm{Sin}(\theta) + \mathrm{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No6 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Sec}(\theta) = \frac{5}{4} \right], Quest = [\mathrm{Cot}(\theta) - \mathrm{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Csc}(\theta) = \frac{3}{2} \right], Quest = [\mathrm{Cot}(\theta) + \mathrm{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No8 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{-2}{9} \right], Quest = [\mathrm{Cot}(\theta) - \mathrm{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

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TrigonometryExercise3 for No.9608

$$No1 = \begin{bmatrix} .1 = \pi & .6 = -\frac{43\,\pi}{3} \\ .2 = \frac{2\,\pi}{3} & .7 = \frac{83\,\pi}{6} \\ .3 = \frac{11\,\pi}{6} & .8 = -\frac{21\,\pi}{4} \\ .4 = \frac{5\,\pi}{4} & .9 = 6 \\ .5 = \frac{25\,\pi}{2} & .10 = 0.5 \end{bmatrix},\ No2 = \begin{bmatrix} .1 = 270^{o} & .6 = 2460^{o} \\ .2 = 60^{o} & .7 = 405^{o} \\ .3 = 210^{o} & .8 = (-2370)^{o} \\ .4 = 135^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = 1080^{o} & .10 = \left(\frac{450}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Tan}(\theta) < 0],\ Condition2 = \left[\mathrm{Sin}(\theta) = \frac{3}{5}\right],\ Quest = \mathrm{Cos}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = 5],\ Condition2 = [\mathrm{Sin}(\theta) < 0],\ Quest = \mathrm{Cos}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0,\ B = \frac{\pi}{2},\ Condition = \left[\mathrm{Cot}(\theta) = \frac{1}{3}\right],\ Quest = [\mathrm{Sec}(\theta) - \mathrm{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \frac{\pi}{2},\ B = \pi,\ Condition = \left[\mathrm{Sin}(\theta) = \frac{2}{3}\right],\ Quest = [\mathrm{Tan}(\theta) + \mathrm{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \pi,\ B = \frac{3\,\pi}{2},\ Condition = \left[\mathrm{Csc}(\theta) = \frac{-9}{4}\right],\ Quest = [\mathrm{Tan}(\theta) + \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \frac{3\,\pi}{2},\ B = 2\,\pi,\ Condition = \left[\mathrm{Sec}(\theta) = \frac{7}{2}\right],\ Quest = [\mathrm{Cot}(\theta) + \mathrm{Sin}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

TrigonometryExercise3 for No.9646

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{67\pi}{6} \\ .2 = -\frac{5\pi}{6} & .7 = -\frac{63\pi}{4} \\ .3 = -\frac{7\pi}{4} & .8 = -\frac{37\pi}{3} \\ .4 = \frac{2\pi}{3} & .9 = 3 \\ .5 = \frac{9\pi}{2} & .10 = 3.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = 2640^{o} \\ .2 = 30^{o} & .7 = 2205^{o} \\ .3 = (-45)^{o} & .8 = (-870)^{o} \\ .4 = (-300)^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = (-1080)^{o} & .10 = \left(\frac{450}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Sin}(\theta) = \frac{1}{4}\right], Condition2 = [\mathrm{Sec}(\theta) < 0], Quest = \mathrm{Tan}(\theta)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = -7], Condition2 = [0 < \mathrm{Csc}(\theta)], Quest = \mathrm{Cos}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Sin}(\theta) = \frac{3}{5}\right], Quest = [\mathrm{Cos}(\theta) - \mathrm{Cot}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Tan}(\theta) = \frac{3}{8}\right], Quest = [\mathrm{Sin}(\theta) + \mathrm{Cos}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = [\mathrm{Csc}(\theta) = -7], Quest = [\mathrm{Cot}(\theta) + \mathrm{Sec}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Cot}(\theta) = \frac{-5}{3}\right], Quest = [\mathrm{Cos}(\theta) - \mathrm{Csc}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

TrigonometryExercise3 for No.9649

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = -\frac{11\pi}{4} \\ .2 = -\frac{\pi}{6} & .7 = -\frac{32\pi}{3} \\ .3 = -\frac{\pi}{3} & .8 = -\frac{37\pi}{6} \\ .4 = -\frac{7\pi}{4} & .9 = 6 \\ .5 = \frac{21\pi}{2} & .10 = 4.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = 2670^{o} \\ .2 = 120^{o} & .7 = (-660)^{o} \\ .3 = 135^{o} & .8 = (-2025)^{o} \\ .4 = (-150)^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = 1800^{o} & .10 = \left(-\frac{630}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Tan}(\theta) < 0], Condition2 = \left[\mathrm{Cos}(\theta) = \frac{2}{3}\right], Quest = \mathrm{Csc}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [0 < \mathrm{Csc}(\theta)], Condition2 = [\mathrm{Tan}(\theta) = -5], Quest = \mathrm{Sec}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Tan}(\theta) = \frac{4}{5}\right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Cos}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = [\mathrm{Sec}(\theta) = -2], Quest = [\mathrm{Sin}(\theta) - \mathrm{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Sin}(\theta) = \frac{-1}{5}\right], Quest = [\mathrm{Sec}(\theta) - \mathrm{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Tan}(\theta) = \frac{6}{7}\right], Quest = [\mathrm{Cos}(\theta) - \mathrm{Sin}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.9669

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = -\frac{7\pi}{3} \\ .2 = -\frac{4\pi}{3} & .7 = \frac{41\pi}{6} \\ .3 = \frac{\pi}{6} & .8 = -\frac{29\pi}{4} \\ .4 = \frac{7\pi}{4} & .9 = 3 \\ .5 = \frac{5\pi}{2} & .10 = -6.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = 1050^{o} \\ .2 = 225^{o} & .7 = (-765)^{o} \\ .3 = (-120)^{o} & .8 = (-2820)^{o} \\ .4 = 150^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = (-2790)^{o} & .10 = \left(-\frac{990}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Csc}(\theta) < 0], Condition2 = \left[\mathrm{Cos}(\theta) = \frac{1}{5}\right], Quest = \mathrm{Cot}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = 1], Condition2 = [\mathrm{Sin}(\theta) < 0], Quest = \mathrm{Cos}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = [\mathrm{Sec}(\theta) = 8], Quest = [\mathrm{Sin}(\theta) - \mathrm{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Csc}(\theta) = \frac{-7}{4}\right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Sec}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Tan}(\theta) = \frac{-1}{3}\right], Quest = [\mathrm{Sec}(\theta) + \mathrm{Csc}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Sin}(\theta) = \frac{-3}{7}\right], Quest = [\mathrm{Sec}(\theta) - \mathrm{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.9717

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{29\pi}{3} \\ .2 = \frac{\pi}{6} & .7 = -\frac{13\pi}{6} \\ .3 = -\frac{\pi}{3} & .8 = -\frac{17\pi}{4} \\ .4 = -\frac{5\pi}{4} & .9 = 2 \\ .5 = \frac{25\pi}{2} & .10 = 3.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (-1200)^{o} \\ .2 = (-210)^{o} & .7 = (-570)^{o} \\ .3 = 240^{o} & .8 = (-1305)^{o} \\ .4 = 315^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = (-2160)^{o} & .10 = \left(-\frac{990}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Cos}(\theta) = \frac{4}{11}\right], Condition2 = [\mathrm{Cot}(\theta) < 0], Quest = \mathrm{Csc}(\theta)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = -1], Condition2 = [0 < \mathrm{Sec}(\theta)], Quest = \mathrm{Sin}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = [\mathrm{Tan}(\theta) = 1], Quest = [\mathrm{Sin}(\theta) + \mathrm{Cos}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{-5}{7}\right], Quest = [\mathrm{Csc}(\theta) - \mathrm{Tan}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Cot}(\theta) = \frac{-2}{3}\right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Cos}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = [\mathrm{Sec}(\theta) = -5], Quest = [\mathrm{Tan}(\theta) + \mathrm{Sin}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 for No.9763

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = \frac{61\pi}{6} \\ .2 = -\frac{\pi}{6} & .7 = \frac{45\pi}{4} \\ .3 = -\frac{\pi}{4} & .8 = \frac{44\pi}{3} \\ .4 = \frac{4\pi}{3} & .9 = 5 \\ .5 = -\frac{25\pi}{2} & .10 = -0.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = (-510)^{o} \\ .2 = (-315)^{o} & .7 = (-2580)^{o} \\ .3 = (-120)^{o} & .8 = (-1845)^{o} \\ .4 = 150^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = (-1440)^{o} & .10 = \left(-\frac{990}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Cot}(\theta) < 0], Condition2 = \left[\mathrm{Cos}(\theta) = \frac{4}{5}\right], Quest = \mathrm{Csc}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = -4], Condition2 = [\mathrm{Sec}(\theta) < 0], Quest = \mathrm{Sin}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Csc}(\theta) = \frac{4}{3}\right], Quest = [\mathrm{Tan}(\theta) - \mathrm{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Tan}(\theta) = \frac{-5}{8}\right], Quest = [\mathrm{Sec}(\theta) - \mathrm{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Sin}(\theta) = \frac{-5}{6}\right], Quest = [\mathrm{Tan}(\theta) - \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Csc}(\theta) = \frac{-12}{5}\right], Quest = [\mathrm{Cot}(\theta) + \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

TrigonometryExercise3 for No.9877

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = \frac{53\pi}{4} \\ .2 = \frac{4\pi}{3} & .7 = -\frac{61\pi}{6} \\ .3 = -\frac{\pi}{6} & .8 = \frac{25\pi}{3} \\ .4 = -\frac{3\pi}{4} & .9 = 6 \\ .5 = -\frac{19\pi}{2} & .10 = -4.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = (-765)^{o} \\ .2 = 150^{o} & .7 = 1770^{o} \\ .3 = (-300)^{o} & .8 = 1740^{o} \\ .4 = (-45)^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = 720^{o} & .10 = \left(\frac{990}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\operatorname{Cos}(\theta) = \frac{1}{2} \right], Condition2 = [\operatorname{Tan}(\theta) < 0], Quest = \operatorname{Sin}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\operatorname{Tan}(\theta) = -1], Condition2 = [\operatorname{Csc}(\theta) < 0], Quest = \operatorname{Csc}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\operatorname{Sin}(\theta) = \frac{1}{3} \right], Quest = [\operatorname{Tan}(\theta) - \operatorname{Cos}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\operatorname{Cot}(\theta) = \frac{-3}{7} \right], Quest = [\operatorname{Sin}(\theta) - \operatorname{Cos}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\operatorname{Cos}(\theta) = \frac{1}{4} \right], Quest = [\operatorname{Csc}(\theta) + \operatorname{Tan}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\operatorname{Sin}(\theta) = \frac{-2}{9} \right], Quest = [\operatorname{Sec}(\theta) - \operatorname{Tan}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.9911

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{71\,\pi}{6} \\ .2 = -\frac{2\,\pi}{3} & .7 = \frac{63\,\pi}{4} \\ .3 = \frac{5\,\pi}{6} & .8 = -\frac{22\,\pi}{3} \\ .4 = -\frac{\pi}{4} & .9 = 2 \\ .5 = -\frac{15\,\pi}{2} & .10 = \text{-}4.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = 2370^{o} \\ .2 = (\text{-}60)^{o} & .7 = 1860^{o} \\ .3 = 135^{o} & .8 = 585^{o} \\ .4 = 330^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = 1440^{o} & .10 = \left(-\frac{720}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Sin}(\theta) = \frac{1}{2} \right], Condition2 = [\mathrm{Cot}(\theta) < 0], Quest = \mathrm{Sec}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = \text{-}2], Condition2 = [0 < \mathrm{Csc}(\theta)], Quest = \mathrm{Csc}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{4}{5} \right], Quest = [\mathrm{Csc}(\theta) - \mathrm{Cot}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No6 = \left[A = \pi, B = \frac{3\,\pi}{2}, Condition = \left[\mathrm{Sec}(\theta) = \frac{\text{-}8}{3} \right], Quest = [\mathrm{Csc}(\theta) - \mathrm{Tan}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Csc}(\theta) = \frac{7}{2} \right], Quest = [\mathrm{Cot}(\theta) + \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No8 = \left[A = \frac{3\,\pi}{2}, B = 2\,\pi, Condition = \left[\mathrm{Sin}(\theta) = \frac{\text{-}3}{5} \right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

TrigonometryExercise3 for No.10027

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = -\frac{63\pi}{4} \\ .2 = \frac{4\pi}{3} & .7 = \frac{13\pi}{3} \\ .3 = -\frac{7\pi}{4} & .8 = \frac{17\pi}{6} \\ .4 = -\frac{7\pi}{6} & .9 = 1 \\ .5 = -\frac{19\pi}{2} & .10 = 2.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^o & .6 = 2565^o \\ .2 = 30^o & .7 = (-1770)^o \\ .3 = 60^o & .8 = 600^o \\ .4 = 135^o & .9 = \left(\frac{90}{\pi}\right)^o \\ .5 = 1890^o & .10 = \left(-\frac{540}{\pi}\right)^o \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Csc}(\theta) < 0], Condition2 = \left[\mathrm{Cos}(\theta) = \frac{5}{9}\right], Quest = \mathrm{Csc}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = -5], Condition2 = [0 < \mathrm{Sin}(\theta)], Quest = \mathrm{Cos}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Sin}(\theta) = \frac{1}{2}\right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Sin}(\theta) = \frac{-1}{2}\right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Cot}(\theta) = \frac{-7}{2}\right], Quest = [\mathrm{Csc}(\theta) - \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Sec}(\theta) = \frac{-12}{5}\right], Quest = [\mathrm{Cot}(\theta) - \mathrm{Sin}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

TrigonometryExercise3 for No.10063

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = \frac{15\pi}{4} \\ .2 = \frac{5\pi}{4} & .7 = -\frac{29\pi}{3} \\ .3 = \frac{7\pi}{6} & .8 = -\frac{71\pi}{6} \\ .4 = \frac{5\pi}{3} & .9 = 5 \\ .5 = \frac{27\pi}{2} & .10 = \text{-}4.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (\text{-}750)^{o} \\ .2 = 150^{o} & .7 = 1860^{o} \\ .3 = 315^{o} & .8 = (\text{-}1935)^{o} \\ .4 = (\text{-}120)^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = (\text{-}2160)^{o} & .10 = \left(-\frac{450}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\text{Cos}(\theta) = \frac{1}{2}\right], Condition2 = [\text{Cot}(\theta) < 0], Quest = \text{Sin}(\theta)\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\text{Sec}(\theta) < 0], Condition2 = [\text{Tan}(\theta) = \text{-}1], Quest = \text{Sin}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\text{Sin}(\theta) = \frac{2}{3}\right], Quest = [\text{Tan}(\theta) + \text{Cos}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = [\text{Cot}(\theta) = 2], Quest = [\text{Cos}(\theta) - \text{Csc}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\text{Sin}(\theta) = \frac{\text{-}4}{5}\right], Quest = [\text{Cot}(\theta) - \text{Cos}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = [\text{Sec}(\theta) = \text{-}7], Quest = [\text{Tan}(\theta) + \text{Sin}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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TrigonometryExercise3 for No.10120

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = -\frac{43\,\pi}{6} \\ .2 = \frac{7\,\pi}{6} & .7 = \frac{17\,\pi}{3} \\ .3 = \frac{2\,\pi}{3} & .8 = -\frac{63\,\pi}{4} \\ .4 = \frac{\pi}{4} & .9 = 1 \\ .5 = \frac{7\,\pi}{2} & .10 = -4.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = (-2490)^{o} \\ .2 = 300^{o} & .7 = (-1500)^{o} \\ .3 = (-150)^{o} & .8 = 1215^{o} \\ .4 = 225^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = 1080^{o} & .10 = \left(\frac{450}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Cos}(\theta) = \frac{1}{7} \right], Condition2 = [\mathrm{Sin}(\theta) < 0], Quest = \mathrm{Cot}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\mathrm{Cot}(\theta) = 5], Condition2 = [\mathrm{Sin}(\theta) < 0], Quest = \mathrm{Sec}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Tan}(\theta) = \frac{3}{7} \right], Quest = [\mathrm{Sec}(\theta) + \mathrm{Csc}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \frac{3\,\pi}{2}, B = 2\,\pi, Condition = \left[\mathrm{Cos}(\theta) = \frac{1}{3} \right], Quest = [\mathrm{Csc}(\theta) + \mathrm{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \pi, B = \frac{3\,\pi}{2}, Condition = \left[\mathrm{Cot}(\theta) = \frac{1}{2} \right], Quest = [\mathrm{Sec}(\theta) + \mathrm{Csc}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Tan}(\theta) = \frac{-4}{3} \right], Quest = [\mathrm{Cos}(\theta) - \mathrm{Sin}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.10367

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = \frac{51\pi}{4} \\ .2 = -\frac{5\pi}{3} & .7 = \frac{11\pi}{3} \\ .3 = -\frac{11\pi}{6} & .8 = -\frac{65\pi}{6} \\ .4 = -\frac{3\pi}{4} & .9 = 1 \\ .5 = -\frac{21\pi}{2} & .10 = -1.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = (-2580)^{o} \\ .2 = 150^{o} & .7 = (-1395)^{o} \\ .3 = (-60)^{o} & .8 = 390^{o} \\ .4 = 225^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = (-2520)^{o} & .10 = \left(\frac{540}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\operatorname{Sec}(\theta) < 0], Condition2 = \left[\operatorname{Sin}(\theta) = \frac{1}{3}\right], Quest = \operatorname{Cot}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\operatorname{Cos}(\theta) < 0], Condition2 = [\operatorname{Cot}(\theta) = -1], Quest = \operatorname{Csc}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = [\operatorname{Cot}(\theta) = 2], Quest = [\operatorname{Sec}(\theta) - \operatorname{Csc}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = [\operatorname{Csc}(\theta) = -2], Quest = [\operatorname{Sec}(\theta) - \operatorname{Tan}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\operatorname{Sin}(\theta) = \frac{5}{6}\right], Quest = [\operatorname{Cot}(\theta) + \operatorname{Cos}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = [\operatorname{Cot}(\theta) = -1], Quest = [\operatorname{Csc}(\theta) - \operatorname{Sec}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.10372

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = -\frac{83\pi}{6} \\ .2 = -\frac{\pi}{3} & .7 = \frac{13\pi}{3} \\ .3 = -\frac{\pi}{4} & .8 = \frac{31\pi}{4} \\ .4 = \frac{11\pi}{6} & .9 = 3 \\ .5 = -\frac{5\pi}{2} & .10 = 5.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^o & .6 = (-1560)^o \\ .2 = 225^o & .7 = (-1470)^o \\ .3 = 120^o & .8 = 1665^o \\ .4 = 150^o & .9 = \left(\frac{270}{\pi}\right)^o \\ .5 = 1440^o & .10 = \left(-\frac{900}{\pi}\right)^o \end{bmatrix}$$

$$No3 = \left[Condition1 = [\text{Cot}(\theta) < 0], Condition2 = \left[\text{Cos}(\theta) = \frac{1}{6}\right], Quest = \text{Csc}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [\text{Cot}(\theta) = -3], Condition2 = [0 < \text{Sin}(\theta)], Quest = \text{Sec}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = [\text{Csc}(\theta) = 2], Quest = [\text{Tan}(\theta) - \text{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\text{Cos}(\theta) = \frac{1}{2}\right], Quest = [\text{Csc}(\theta) - \text{Tan}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\text{Tan}(\theta) = \frac{1}{4}\right], Quest = [\text{Sec}(\theta) - \text{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\text{Sec}(\theta) = \frac{-9}{2}\right], Quest = [\text{Csc}(\theta) + \text{Cot}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

TrigonometryExercise3 for No.10375

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = -\frac{45\,\pi}{4} \\ .2 = \frac{5\,\pi}{6} & .7 = \frac{23\,\pi}{6} \\ .3 = -\frac{7\,\pi}{4} & .8 = \frac{14\,\pi}{3} \\ .4 = \frac{\pi}{3} & .9 = 4 \\ .5 = \frac{25\,\pi}{2} & .10 = -6.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = 2370^{o} \\ .2 = 225^{o} & .7 = (-2220)^{o} \\ .3 = 210^{o} & .8 = (-2655)^{o} \\ .4 = (-300)^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = (-2520)^{o} & .10 = \left(\frac{540}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Cos}(\theta) < 0],\ Condition2 = \left[\mathrm{Sin}(\theta) = \frac{5}{12}\right],\ Quest = \mathrm{Tan}(\theta) \right],\quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [\,Condition1 = [\mathrm{Tan}(\theta) = -1],\ Condition2 = [\mathrm{Sin}(\theta) < 0],\ Quest = \mathrm{Sec}(\theta)\,],\quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0,\ B = \frac{\pi}{2},\ Condition = \left[\mathrm{Sin}(\theta) = \frac{2}{3}\right],\ Quest = [\mathrm{Cot}(\theta) - \mathrm{Cos}(\theta)] \right],\quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \pi,\ B = \frac{3\,\pi}{2},\ Condition = \left[\mathrm{Sin}(\theta) = \frac{-2}{5}\right],\ Quest = [\mathrm{Cos}(\theta) - \mathrm{Cot}(\theta)] \right],\quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{3\,\pi}{2},\ B = 2\,\pi,\ Condition = \left[\mathrm{Cot}(\theta) = \frac{-6}{5}\right],\ Quest = [\mathrm{Cos}(\theta) + \mathrm{Csc}(\theta)] \right],\quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{\pi}{2},\ B = \pi,\ Condition = \left[\mathrm{Tan}(\theta) = \frac{-6}{7}\right],\ Quest = [\mathrm{Sec}(\theta) - \mathrm{Sin}(\theta)] \right],\quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.10426

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{11\pi}{3} \\ .2 = -\frac{\pi}{4} & .7 = -\frac{27\pi}{4} \\ .3 = \frac{2\pi}{3} & .8 = -\frac{67\pi}{6} \\ .4 = \frac{7\pi}{6} & .9 = 4 \\ .5 = -\frac{27\pi}{2} & .10 = -4.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (-1320)^{o} \\ .2 = 225^{o} & .7 = 1590^{o} \\ .3 = (-240)^{o} & .8 = 2835^{o} \\ .4 = 150^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = (-1080)^{o} & .10 = \left(-\frac{630}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Cos}(\theta) = \frac{4}{7} \right], Condition2 = [\mathrm{Tan}(\theta) < 0], Quest = \mathrm{Csc}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\mathrm{Cos}(\theta) < 0], Condition2 = [\mathrm{Tan}(\theta) = 3], Quest = \mathrm{Csc}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Sin}(\theta) = \frac{1}{2} \right], Quest = [\mathrm{Sec}(\theta) - \mathrm{Tan}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{-1}{3} \right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Tan}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Sec}(\theta) = \frac{3}{2} \right], Quest = [\mathrm{Tan}(\theta) - \mathrm{Csc}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Cot}(\theta) = \frac{-8}{5} \right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Cos}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.10628

$$No1 = \begin{bmatrix} .1 = \pi & .6 = -\frac{17\pi}{6} \\ .2 = -\frac{\pi}{6} & .7 = \frac{25\pi}{3} \\ .3 = -\frac{\pi}{4} & .8 = \frac{17\pi}{4} \\ .4 = \frac{5\pi}{3} & .9 = 3 \\ .5 = -\frac{11\pi}{2} & .10 = 4.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = (-1380)^{o} \\ .2 = 120^{o} & .7 = (-1035)^{o} \\ .3 = (-150)^{o} & .8 = (-1470)^{o} \\ .4 = (-315)^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = 2610^{o} & .10 = \left(-\frac{900}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Sec}(\theta) < 0], Condition2 = \left[\mathrm{Sin}(\theta) = \frac{1}{3}\right], Quest = \mathrm{Cot}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [0 < \mathrm{Csc}(\theta)], Condition2 = [\mathrm{Cot}(\theta) = -1], Quest = \mathrm{Csc}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Tan}(\theta) = \frac{5}{6}\right], Quest = [\mathrm{Sin}(\theta) + \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Sec}(\theta) = \frac{-5}{4}\right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Sin}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Tan}(\theta) = \frac{-8}{7}\right], Quest = [\mathrm{Cos}(\theta) - \mathrm{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Csc}(\theta) = \frac{7}{5}\right], Quest = [\mathrm{Tan}(\theta) - \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

TrigonometryExercise3 for No.11408

$$No1 = \begin{bmatrix} .1 = \pi & .6 = -\frac{35\pi}{6} \\ .2 = -\frac{3\pi}{4} & .7 = \frac{10\pi}{3} \\ .3 = \frac{5\pi}{6} & .8 = -\frac{59\pi}{4} \\ .4 = -\frac{5\pi}{3} & .9 = 4 \\ .5 = \frac{15\pi}{2} & .10 = -2.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = (-2820)^{o} \\ .2 = (-210)^{o} & .7 = (-2115)^{o} \\ .3 = (-225)^{o} & .8 = (-2190)^{o} \\ .4 = 60^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = 1530^{o} & .10 = \left(\frac{810}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Cot}(\theta) < 0], Condition2 = \left[\mathrm{Cos}(\theta) = \frac{1}{7}\right], Quest = \mathrm{Csc}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [\mathrm{Sec}(\theta) < 0], Condition2 = [\mathrm{Tan}(\theta) = -4], Quest = \mathrm{Csc}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Sin}(\theta) = \frac{5}{7}\right], Quest = [\mathrm{Tan}(\theta) - \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{-3}{8}\right], Quest = [\mathrm{Cot}(\theta) - \mathrm{Sin}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Sin}(\theta) = \frac{1}{2}\right], Quest = [\mathrm{Cos}(\theta) - \mathrm{Cot}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Tan}(\theta) = \frac{-8}{3}\right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

TrigonometryExercise3 for No.11560

$$No1 = \begin{bmatrix} .1 = \pi & .6 = -\frac{65\pi}{6} \\ .2 = \frac{\pi}{3} & .7 = -\frac{13\pi}{4} \\ .3 = -\frac{7\pi}{4} & .8 = \frac{23\pi}{3} \\ .4 = \frac{\pi}{6} & .9 = 6 \\ .5 = \frac{23\pi}{2} & .10 = 1.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^o & .6 = (-2370)^o \\ .2 = 210^o & .7 = 1845^o \\ .3 = (-300)^o & .8 = 960^o \\ .4 = 135^o & .9 = \left(\frac{270}{\pi}\right)^o \\ .5 = 2160^o & .10 = \left(\frac{630}{\pi}\right)^o \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\text{Cos}(\theta) = \frac{3}{5}\right], Condition2 = [\text{Sin}(\theta) < 0], Quest = \text{Tan}(\theta)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [\text{Cot}(\theta) = -2], Condition2 = [\text{Sec}(\theta) < 0], Quest = \text{Sin}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\text{Cot}(\theta) = \frac{8}{3}\right], Quest = [\text{Sec}(\theta) - \text{Csc}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\text{Sin}(\theta) = \frac{-1}{7}\right], Quest = [\text{Cot}(\theta) + \text{Sec}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\text{Tan}(\theta) = \frac{-3}{4}\right], Quest = [\text{Sec}(\theta) + \text{Csc}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\text{Csc}(\theta) = \frac{-7}{5}\right], Quest = [\text{Cot}(\theta) + \text{Sec}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

TrigonometryExercise3 for No.11806

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = \frac{17\,\pi}{3} \\ .2 = \frac{\pi}{6} & .7 = -\frac{13\,\pi}{4} \\ .3 = \frac{3\,\pi}{4} & .8 = \frac{43\,\pi}{6} \\ .4 = -\frac{2\,\pi}{3} & .9 = 2 \\ .5 = -\frac{13\,\pi}{2} & .10 = 0.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = (-2130)^{o} \\ .2 = 330^{o} & .7 = (-675)^{o} \\ .3 = (-45)^{o} & .8 = (-2760)^{o} \\ .4 = 240^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = 1350^{o} & .10 = \left(\frac{900}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\operatorname{Cot}(\theta) < 0], Condition2 = \left[\operatorname{Cos}(\theta) = \frac{2}{5}\right], Quest = \operatorname{Csc}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\operatorname{Csc}(\theta) < 0], Condition2 = [\operatorname{Tan}(\theta) = 3], Quest = \operatorname{Cos}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\operatorname{Tan}(\theta) = \frac{4}{5}\right], Quest = [\operatorname{Sin}(\theta) + \operatorname{Cos}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = [\operatorname{Csc}(\theta) = 5], Quest = [\operatorname{Tan}(\theta) + \operatorname{Cos}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \pi, B = \frac{3\,\pi}{2}, Condition = \left[\operatorname{Tan}(\theta) = \frac{5}{2}\right], Quest = [\operatorname{Sin}(\theta) + \operatorname{Sec}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{3\,\pi}{2}, B = 2\,\pi, Condition = \left[\operatorname{Sin}(\theta) = \frac{-3}{4}\right], Quest = [\operatorname{Sec}(\theta) - \operatorname{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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TrigonometryExercise3 for No.12219

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = -\frac{77\pi}{6} \\ .2 = -\frac{5\pi}{3} & .7 = -\frac{35\pi}{4} \\ .3 = \frac{5\pi}{4} & .8 = \frac{38\pi}{3} \\ .4 = \frac{7\pi}{6} & .9 = 2 \\ .5 = -\frac{31\pi}{2} & .10 = 6.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = 2580^{o} \\ .2 = 135^{o} & .7 = 1125^{o} \\ .3 = 120^{o} & .8 = (-1830)^{o} \\ .4 = 150^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = 1440^{o} & .10 = \left(\frac{540}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\text{Sec}(\theta) < 0], Condition2 = \left[\text{Sin}(\theta) = \frac{5}{9}\right], Quest = \text{Tan}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [\text{Tan}(\theta) = 2], Condition2 = [\text{Cos}(\theta) < 0], Quest = \text{Sin}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\text{Cos}(\theta) = \frac{5}{9}\right], Quest = [\text{Tan}(\theta) - \text{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\text{Cot}(\theta) = \frac{-1}{4}\right], Quest = [\text{Csc}(\theta) - \text{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\text{Sin}(\theta) = \frac{-5}{7}\right], Quest = [\text{Cot}(\theta) + \text{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = [\text{Csc}(\theta) = -4], Quest = [\text{Tan}(\theta) - \text{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 for No.12954

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = \frac{19\pi}{6} \\ .2 = -\frac{5\pi}{6} & .7 = \frac{11\pi}{3} \\ .3 = \frac{2\pi}{3} & .8 = -\frac{63\pi}{4} \\ .4 = -\frac{7\pi}{4} & .9 = 1 \\ .5 = -\frac{27\pi}{2} & .10 = -2.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = 510^{o} \\ .2 = (-60)^{o} & .7 = (-1125)^{o} \\ .3 = (-210)^{o} & .8 = 1680^{o} \\ .4 = 135^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = (-360)^{o} & .10 = \left(\frac{450}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\text{Cos}(\theta) = \frac{1}{8}\right], Condition2 = [\text{Csc}(\theta) < 0], Quest = \text{Csc}(\theta)\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\text{Csc}(\theta) < 0], Condition2 = [\text{Tan}(\theta) = -5], Quest = \text{Sin}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = [\text{Tan}(\theta) = 2], Quest = [\text{Sin}(\theta) - \text{Cos}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\text{Sin}(\theta) = \frac{-3}{10}\right], Quest = [\text{Sec}(\theta) - \text{Cot}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\text{Csc}(\theta) = \frac{-8}{5}\right], Quest = [\text{Cot}(\theta) + \text{Sec}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\text{Cos}(\theta) = \frac{-3}{7}\right], Quest = [\text{Tan}(\theta) - \text{Sin}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.12964

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = -\frac{91\pi}{6} \\ .2 = -\frac{5\pi}{4} & .7 = \frac{21\pi}{4} \\ .3 = -\frac{11\pi}{6} & .8 = -\frac{26\pi}{3} \\ .4 = -\frac{2\pi}{3} & .9 = 6 \\ .5 = -\frac{7\pi}{2} & .10 = -1.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = 780^{o} \\ .2 = 210^{o} & .7 = 1470^{o} \\ .3 = 315^{o} & .8 = 2205^{o} \\ .4 = (-300)^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = 1080^{o} & .10 = \left(\frac{720}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Cos}(\theta) = \frac{2}{9} \right], Condition2 = [\mathrm{Tan}(\theta) < 0], Quest = \mathrm{Csc}(\theta) \right], \quad \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\mathrm{Cot}(\theta) = -3], Condition2 = [0 < \mathrm{Sec}(\theta)], Quest = \mathrm{Sin}(\theta)], \quad \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Csc}(\theta) = \frac{7}{2} \right], Quest = [\mathrm{Cot}(\theta) + \mathrm{Sec}(\theta)] \right], \quad \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Csc}(\theta) = \frac{-8}{5} \right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Cos}(\theta)] \right], \quad \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Sin}(\theta) = \frac{-1}{2} \right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Sec}(\theta)] \right], \quad \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Cot}(\theta) = \frac{-1}{3} \right], Quest = [\mathrm{Sin}(\theta) + \mathrm{Cos}(\theta)] \right], \quad \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.12971

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{8\,\pi}{3} \\ .2 = \frac{4\,\pi}{3} & .7 = -\frac{39\,\pi}{4} \\ .3 = \frac{\pi}{6} & .8 = \frac{13\,\pi}{6} \\ .4 = \frac{\pi}{4} & .9 = 7 \\ .5 = \frac{15\,\pi}{2} & .10 = \text{-}1.5 \end{bmatrix},\ No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (\text{-}1050)^{o} \\ .2 = (\text{-}315)^{o} & .7 = (\text{-}600)^{o} \\ .3 = 210^{o} & .8 = 1665^{o} \\ .4 = 60^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = 2250^{o} & .10 = \left(-\frac{540}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Cot}(\theta) < 0],\ Condition2 = \left[\mathrm{Sin}(\theta) = \frac{1}{4}\right],\ Quest = \mathrm{Cos}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [\mathrm{Sin}(\theta) < 0],\ Condition2 = [\mathrm{Tan}(\theta) = 5],\ Quest = \mathrm{Sec}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0,\ B = \frac{\pi}{2},\ Condition = \left[\mathrm{Cot}(\theta) = \frac{1}{2}\right],\ Quest = [\mathrm{Sin}(\theta) + \mathrm{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \frac{3\,\pi}{2},\ B = 2\,\pi,\ Condition = [\mathrm{Csc}(\theta) = \text{-}3],\ Quest = [\mathrm{Cot}(\theta) + \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \frac{\pi}{2},\ B = \pi,\ Condition = \left[\mathrm{Sec}(\theta) = \frac{\text{-}5}{3}\right],\ Quest = [\mathrm{Csc}(\theta) + \mathrm{Tan}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \pi,\ B = \frac{3\,\pi}{2},\ Condition = \left[\mathrm{Sin}(\theta) = \frac{\text{-}1}{2}\right],\ Quest = [\mathrm{Tan}(\theta) - \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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TrigonometryExercise3 for No.13023

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = -\frac{15\pi}{4} \\ .2 = -\frac{5\pi}{4} & .7 = -\frac{31\pi}{6} \\ .3 = -\frac{5\pi}{3} & .8 = \frac{16\pi}{3} \\ .4 = -\frac{7\pi}{6} & .9 = 2 \\ .5 = -\frac{13\pi}{2} & .10 = -1.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = (-1485)^{o} \\ .2 = 120^{o} & .7 = 1860^{o} \\ .3 = (-45)^{o} & .8 = 870^{o} \\ .4 = 30^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = (-630)^{o} & .10 = \left(-\frac{540}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Sin}(\theta) < 0], Condition2 = \left[\mathrm{Cos}(\theta) = \frac{2}{7}\right], Quest = \mathrm{Cot}(\theta)\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [0 < \mathrm{Cos}(\theta)], Condition2 = [\mathrm{Cot}(\theta) = -2], Quest = \mathrm{Sin}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Cot}(\theta) = \frac{2}{5}\right], Quest = [\mathrm{Cos}(\theta) - \mathrm{Csc}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = [\mathrm{Cot}(\theta) = -2], Quest = [\mathrm{Csc}(\theta) - \mathrm{Sec}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = [\mathrm{Tan}(\theta) = 1], Quest = [\mathrm{Sin}(\theta) - \mathrm{Cos}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Sec}(\theta) = \frac{-7}{4}\right], Quest = [\mathrm{Csc}(\theta) - \mathrm{Tan}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.13033

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = \frac{27\pi}{4} \\ .2 = -\frac{\pi}{6} & .7 = \frac{29\pi}{3} \\ .3 = \frac{4\pi}{3} & .8 = \frac{61\pi}{6} \\ .4 = -\frac{\pi}{4} & .9 = 4 \\ .5 = \frac{21\pi}{2} & .10 = -3.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = 1395^{o} \\ .2 = (-225)^{o} & .7 = 1200^{o} \\ .3 = (-120)^{o} & .8 = (-930)^{o} \\ .4 = (-330)^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = 2070^{o} & .10 = \left(\frac{630}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Tan}(\theta) < 0], Condition2 = \left[\mathrm{Sin}(\theta) = \frac{5}{11}\right], Quest = \mathrm{Sec}(\theta) \right], \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No4 = [Condition1 = [0 < \mathrm{Sin}(\theta)], Condition2 = [\mathrm{Cot}(\theta) = -2], Quest = \mathrm{Sec}(\theta)], \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{2}{3}\right], Quest = [\mathrm{Cot}(\theta) + \mathrm{Sin}(\theta)] \right], \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Sin}(\theta) = \frac{1}{2}\right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Cos}(\theta)] \right], \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{-4}{5}\right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Sin}(\theta)] \right], \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Sec}(\theta) = \frac{6}{5}\right], Quest = [\mathrm{Csc}(\theta) - \mathrm{Cot}(\theta)] \right], \left[\frac{\sqrt{:)}}{:(}\right]$$

TrigonometryExercise3 for No.13197

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = \frac{53\pi}{4} \\ .2 = -\frac{3\pi}{4} & .7 = -\frac{40\pi}{3} \\ .3 = -\frac{\pi}{3} & .8 = -\frac{71\pi}{6} \\ .4 = \frac{11\pi}{6} & .9 = 5 \\ .5 = \frac{11\pi}{2} & .10 = -4.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (-495)^{o} \\ .2 = 45^{o} & .7 = 2370^{o} \\ .3 = (-210)^{o} & .8 = (-1920)^{o} \\ .4 = 120^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = 1530^{o} & .10 = \left(\frac{810}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Cos}(\theta) = \frac{1}{2}\right], Condition2 = [\mathrm{Tan}(\theta) < 0], Quest = \mathrm{Sin}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = 4], Condition2 = [\mathrm{Sec}(\theta) < 0], Quest = \mathrm{Csc}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Csc}(\theta) = \frac{9}{4}\right], Quest = [\mathrm{Sec}(\theta) - \mathrm{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Cot}(\theta) = \frac{-5}{8}\right], Quest = [\mathrm{Csc}(\theta) - \mathrm{Sec}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Cos}(\theta) = \frac{3}{8}\right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Tan}(\theta) = \frac{3}{7}\right], Quest = [\mathrm{Sec}(\theta) + \mathrm{Csc}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.13907

$$No1 = \begin{bmatrix} .1 = \pi & .6 = -\frac{45\pi}{4} \\ .2 = \frac{\pi}{6} & .7 = -\frac{13\pi}{6} \\ .3 = -\frac{5\pi}{4} & .8 = -\frac{32\pi}{3} \\ .4 = \frac{2\pi}{3} & .9 = 7 \\ .5 = \frac{17\pi}{2} & .10 = -6.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (-2475)^{o} \\ .2 = 330^{o} & .7 = 1320^{o} \\ .3 = 45^{o} & .8 = (-870)^{o} \\ .4 = (-240)^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = 2160^{o} & .10 = \left(\frac{540}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Sin}(\theta) = \frac{4}{5} \right], Condition2 = [\mathrm{Cos}(\theta) < 0], Quest = \mathrm{Tan}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No4 = [Condition1 = [0 < \mathrm{Csc}(\theta)], Condition2 = [\mathrm{Cot}(\theta) = -7], Quest = \mathrm{Sin}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Tan}(\theta) = \frac{4}{3} \right], Quest = [\mathrm{Sec}(\theta) - \mathrm{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No6 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = [\mathrm{Csc}(\theta) = -3], Quest = [\mathrm{Tan}(\theta) + \mathrm{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Tan}(\theta) = \frac{-7}{4} \right], Quest = [\mathrm{Sin}(\theta) + \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No8 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Cot}(\theta) = \frac{3}{7} \right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

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TrigonometryExercise3 for No.13991

$$No1 = \begin{bmatrix} .1 = \pi & .6 = -\frac{31\pi}{6} \\ .2 = -\frac{\pi}{3} & .7 = -\frac{34\pi}{3} \\ .3 = \frac{5\pi}{4} & .8 = \frac{33\pi}{4} \\ .4 = -\frac{5\pi}{6} & .9 = 6 \\ .5 = -\frac{23\pi}{2} & .10 = -6.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = (-2655)^{o} \\ .2 = 135^{o} & .7 = (-2580)^{o} \\ .3 = (-210)^{o} & .8 = 1830^{o} \\ .4 = 300^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = 1080^{o} & .10 = \left(-\frac{900}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\operatorname{Cos}(\theta) = \frac{1}{3} \right], Condition2 = [\operatorname{Cot}(\theta) < 0], Quest = \operatorname{Csc}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No4 = [Condition1 = [\operatorname{Sin}(\theta) < 0], Condition2 = [\operatorname{Tan}(\theta) = -7], Quest = \operatorname{Sec}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\operatorname{Sin}(\theta) = \frac{3}{8} \right], Quest = [\operatorname{Tan}(\theta) + \operatorname{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = [\operatorname{Sec}(\theta) = -4], Quest = [\operatorname{Cot}(\theta) + \operatorname{Sin}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\operatorname{Cot}(\theta) = \frac{-7}{5} \right], Quest = [\operatorname{Csc}(\theta) - \operatorname{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No8 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = [\operatorname{Tan}(\theta) = -4], Quest = [\operatorname{Sin}(\theta) + \operatorname{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

TrigonometryExercise3 for No.14005

$$No1 = \begin{bmatrix} .1 = \pi & .6 = -\frac{73\,\pi}{6} \\ .2 = -\frac{5\,\pi}{6} & .7 = -\frac{23\,\pi}{4} \\ .3 = -\frac{5\,\pi}{3} & .8 = -\frac{10\,\pi}{3} \\ .4 = -\frac{7\,\pi}{4} & .9 = 5 \\ .5 = \frac{7\,\pi}{2} & .10 = 1.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (-480)^{o} \\ .2 = 45^{o} & .7 = (-945)^{o} \\ .3 = 240^{o} & .8 = 1590^{o} \\ .4 = 330^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = (-1080)^{o} & .10 = \left(-\frac{810}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\text{Sin}(\theta) = \frac{1}{2} \right], Condition2 = [\text{Tan}(\theta) < 0], Quest = \text{Cos}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No4 = [Condition1 = [\text{Cot}(\theta) = 2], Condition2 = [\text{Sec}(\theta) < 0], Quest = \text{Csc}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\text{Sin}(\theta) = \frac{2}{3} \right], Quest = [\text{Cos}(\theta) - \text{Cot}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\text{Cos}(\theta) = \frac{-2}{7} \right], Quest = [\text{Tan}(\theta) - \text{Sin}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No7 = \left[A = \frac{3\,\pi}{2}, B = 2\,\pi, Condition = \left[\text{Cot}(\theta) = \frac{-8}{5} \right], Quest = [\text{Sec}(\theta) + \text{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

$$No8 = \left[A = \pi, B = \frac{3\,\pi}{2}, Condition = \left[\text{Tan}(\theta) = \frac{4}{5} \right], Quest = [\text{Csc}(\theta) - \text{Cos}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

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TrigonometryExercise3 for No.14157

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = \frac{37\pi}{4} \\ .2 = \frac{11\pi}{6} & .7 = \frac{19\pi}{3} \\ .3 = -\frac{5\pi}{3} & .8 = \frac{59\pi}{6} \\ .4 = \frac{3\pi}{4} & .9 = 7 \\ .5 = \frac{7\pi}{2} & .10 = -2.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^o & .6 = (-960)^o \\ .2 = 30^o & .7 = (-855)^o \\ .3 = (-120)^o & .8 = (-1290)^o \\ .4 = (-225)^o & .9 = \left(\frac{180}{\pi}\right)^o \\ .5 = 1440^o & .10 = \left(\frac{450}{\pi}\right)^o \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Sin}(\theta) = \frac{1}{2} \right], Condition2 = [\mathrm{Sec}(\theta) < 0], Quest = \mathrm{Tan}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No4 = [Condition1 = [0 < \mathrm{Cos}(\theta)], Condition2 = [\mathrm{Tan}(\theta) = -3], Quest = \mathrm{Csc}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Cot}(\theta) = \frac{3}{2} \right], Quest = [\mathrm{Sin}(\theta) + \mathrm{Cos}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = [\mathrm{Sec}(\theta) = -2], Quest = [\mathrm{Sin}(\theta) - \mathrm{Tan}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Cos}(\theta) = \frac{1}{2} \right], Quest = [\mathrm{Csc}(\theta) + \mathrm{Tan}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Cot}(\theta) = \frac{-7}{3} \right], Quest = [\mathrm{Sec}(\theta) + \mathrm{Csc}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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