TrigonometryExercise3 for No.9395

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{57\pi}{4} \\ .2 = \frac{\pi}{6} & .7 = \frac{41\pi}{6} \\ .3 = \frac{4\pi}{3} & .8 = -\frac{29\pi}{3} \\ .4 = -\frac{3\pi}{4} & .9 = 2 \\ .5 = \frac{7\pi}{2} & .10 = 0.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (-570)^{o} \\ .2 = (-315)^{o} & .7 = 840^{o} \\ .3 = (-150)^{o} & .8 = (-2655)^{o} \\ .4 = 120^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = 2160^{o} & .10 = \left(-\frac{990}{\pi}\right)^{o} \end{bmatrix}$$

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

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = -7], Condition2 = [0 < \mathrm{Sec}(\theta)], Quest = \mathrm{Csc}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Csc}(\theta) = \frac{6}{5}\right], Quest = [\mathrm{Sec}(\theta) + \mathrm{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

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

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

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TrigonometryExercise3 for No.9419

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = -\frac{17\pi}{4} \\ .2 = \frac{7\pi}{6} & .7 = -\frac{44\pi}{3} \\ .3 = \frac{5\pi}{4} & .8 = \frac{83\pi}{6} \\ .4 = -\frac{5\pi}{3} & .9 = 7 \\ .5 = -\frac{19\pi}{2} & .10 = 6.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = (-1215)^{o} \\ .2 = (-240)^{o} & .7 = (-870)^{o} \\ .3 = 315^{o} & .8 = 1020^{o} \\ .4 = 150^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = (-360)^{o} & .10 = \left(-\frac{630}{\pi}\right)^{o} \end{bmatrix}$$

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

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

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

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Sin}(\theta) = \frac{2}{9}\right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Sec}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

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

TrigonometryExercise3 for No.9428

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{29\pi}{3} \\ .2 = -\frac{4\pi}{3} & .7 = -\frac{95\pi}{6} \\ .3 = -\frac{\pi}{6} & .8 = \frac{25\pi}{4} \\ .4 = \frac{\pi}{4} & .9 = 3 \\ .5 = \frac{19\pi}{2} & .10 = -5.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = 1755^{o} \\ .2 = 315^{o} & .7 = 1200^{o} \\ .3 = (-60)^{o} & .8 = 2370^{o} \\ .4 = 150^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = (-2250)^{o} & .10 = \left(-\frac{720}{\pi}\right)^{o} \end{bmatrix}$$

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

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

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{1}{6} \right], Quest = [\mathrm{Csc}(\theta) + \mathrm{Tan}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

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

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

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

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TrigonometryExercise3 for No.9459

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = \frac{37\pi}{6} \\ .2 = \frac{4\pi}{3} & .7 = -\frac{25\pi}{4} \\ .3 = -\frac{7\pi}{6} & .8 = \frac{10\pi}{3} \\ .4 = -\frac{\pi}{4} & .9 = 7 \\ .5 = -\frac{21\pi}{2} & .10 = -3.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = 2640^{o} \\ .2 = (-30)^{o} & .7 = (-855)^{o} \\ .3 = 60^{o} & .8 = (-2670)^{o} \\ .4 = 135^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = 2880^{o} & .10 = \left(-\frac{900}{\pi}\right)^{o} \end{bmatrix}$$

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

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

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

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Csc}(\theta) = \frac{9}{2}\right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{-1}{7}\right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Tan}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

TrigonometryExercise3 for No.9476

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = -\frac{47\pi}{4} \\ .2 = \frac{11\pi}{6} & .7 = \frac{55\pi}{6} \\ .3 = \frac{4\pi}{3} & .8 = -\frac{20\pi}{3} \\ .4 = \frac{\pi}{4} & .9 = 1 \\ .5 = -\frac{15\pi}{2} & .10 = 4.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^o & .6 = 1230^o \\ .2 = 30^o & .7 = (-2745)^o \\ .3 = 120^o & .8 = 1680^o \\ .4 = (-135)^o & .9 = \left(\frac{360}{\pi}\right)^o \\ .5 = (-720)^o & .10 = \left(\frac{630}{\pi}\right)^o \end{bmatrix}$$

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

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

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Sec}(\theta) = \frac{8}{5}\right], Quest = [\mathrm{Tan}(\theta) - \mathrm{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

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

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

TrigonometryExercise3 for No.9491

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = \frac{13\pi}{6} \\ .2 = -\frac{2\pi}{3} & .7 = -\frac{39\pi}{4} \\ .3 = -\frac{11\pi}{6} & .8 = -\frac{20\pi}{3} \\ .4 = -\frac{\pi}{4} & .9 = 5 \\ .5 = \frac{21\pi}{2} & .10 = -2.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = 2010^{o} \\ .2 = 300^{o} & .7 = 945^{o} \\ .3 = (-315)^{o} & .8 = (-1740)^{o} \\ .4 = (-30)^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = (-1350)^{o} & .10 = \left(-\frac{810}{\pi}\right)^{o} \end{bmatrix}$$

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

$$No4 = [Condition1 = [\mathrm{Tan}(\theta) = -7], Condition2 = [\mathrm{Csc}(\theta) < 0], Quest = \mathrm{Csc}(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

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

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

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

TrigonometryExercise3 for No.9633

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{89\pi}{6} \\ .2 = \frac{4\pi}{3} & .7 = -\frac{25\pi}{4} \\ .3 = \frac{11\pi}{6} & .8 = \frac{41\pi}{3} \\ .4 = \frac{\pi}{4} & .9 = 6 \\ .5 = \frac{7\pi}{2} & .10 = 0.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = 2370^{o} \\ .2 = 210^{o} & .7 = 945^{o} \\ .3 = 225^{o} & .8 = (-1860)^{o} \\ .4 = (-60)^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = (-720)^{o} & .10 = \left(\frac{810}{\pi}\right)^{o} \end{bmatrix}$$

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

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

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

$$No6 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Sec}(\theta) = \frac{-6}{5}\right], Quest = [\mathrm{Csc}(\theta) + \mathrm{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

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

TrigonometryExercise3 for No.9711

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = \frac{47\pi}{4} \\ .2 = \frac{5\pi}{6} & .7 = \frac{83\pi}{6} \\ .3 = \frac{5\pi}{3} & .8 = \frac{19\pi}{3} \\ .4 = -\frac{5\pi}{4} & .9 = 5 \\ .5 = -\frac{23\pi}{2} & .10 = -3.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = 2280^{o} \\ .2 = (-60)^{o} & .7 = (-1470)^{o} \\ .3 = 315^{o} & .8 = 405^{o} \\ .4 = (-210)^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = (-360)^{o} & .10 = \left(-\frac{450}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\text{Sin}(\theta) = \frac{3}{8}\right], Condition2 = [\text{Tan}(\theta) < 0], Quest = \text{Cos}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

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

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

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

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

TrigonometryExercise3 for No.9784

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = \frac{11\pi}{4} \\ .2 = \frac{7\pi}{4} & .7 = -\frac{11\pi}{3} \\ .3 = -\frac{5\pi}{6} & .8 = \frac{83\pi}{6} \\ .4 = -\frac{5\pi}{3} & .9 = 1 \\ .5 = -\frac{13\pi}{2} & .10 = 2.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = (-750)^{o} \\ .2 = (-45)^{o} & .7 = 480^{o} \\ .3 = (-330)^{o} & .8 = (-2025)^{o} \\ .4 = 240^{o} & .9 = \left(\frac{270}{\pi}\right)^{o} \\ .5 = (-2520)^{o} & .10 = \left(\frac{810}{\pi}\right)^{o} \end{bmatrix}$$

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

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

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Sin}(\theta) = \frac{1}{6}\right], Quest = [\mathrm{Cos}(\theta) - \mathrm{Tan}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

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

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

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TrigonometryExercise3 for No.10143

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = \frac{32\pi}{3} \\ .2 = \frac{7\pi}{6} & .7 = \frac{13\pi}{4} \\ .3 = -\frac{\pi}{4} & .8 = \frac{73\pi}{6} \\ .4 = -\frac{5\pi}{3} & .9 = 7 \\ .5 = -\frac{31\pi}{2} & .10 = 0.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = 1035^{o} \\ .2 = 240^{o} & .7 = (-1770)^{o} \\ .3 = 135^{o} & .8 = (-2760)^{o} \\ .4 = 150^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = 1800^{o} & .10 = \left(-\frac{900}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\text{Sec}(\theta) < 0], Condition2 = \left[\text{Sin}(\theta) = \frac{2}{3}\right], Quest = \text{Cot}(\theta) \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\text{Cos}(\theta) = \frac{1}{7}\right], Quest = [\text{Csc}(\theta) - \text{Cot}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

$$No7 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\text{Sec}(\theta) = \frac{-10}{3}\right], Quest = [\text{Cot}(\theta) + \text{Sin}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

TrigonometryExercise3 for No.10359

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = -\frac{37\pi}{6} \\ .2 = \frac{7\pi}{6} & .7 = \frac{15\pi}{4} \\ .3 = \frac{\pi}{4} & .8 = \frac{25\pi}{3} \\ .4 = \frac{\pi}{3} & .9 = 5 \\ .5 = -\frac{15\pi}{2} & .10 = 2.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^o & .6 = (-1020)^o \\ .2 = (-135)^o & .7 = (-510)^o \\ .3 = 30^o & .8 = (-1575)^o \\ .4 = (-240)^o & .9 = \left(\frac{90}{\pi}\right)^o \\ .5 = (-1530)^o & .10 = \left(\frac{720}{\pi}\right)^o \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Sin}(\theta) = \frac{2}{5}\right], Condition2 = [\mathrm{Cos}(\theta) < 0], Quest = \mathrm{Tan}(\theta)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

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

$$No6 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Tan}(\theta) = \frac{-1}{4}\right], Quest = [\mathrm{Sin}(\theta) + \mathrm{Sec}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Sin}(\theta) = \frac{4}{11}\right], Quest = [\mathrm{Cot}(\theta) - \mathrm{Sec}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Cos}(\theta) = \frac{-1}{5}\right], Quest = [\mathrm{Csc}(\theta) + \mathrm{Cot}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

TrigonometryExercise3 for No.10626

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = -\frac{59\pi}{4} \\ .2 = -\frac{5\pi}{3} & .7 = \frac{73\pi}{6} \\ .3 = \frac{\pi}{4} & .8 = \frac{19\pi}{3} \\ .4 = \frac{7\pi}{6} & .9 = 7 \\ .5 = \frac{11\pi}{2} & .10 = 5.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = (-510)^{o} \\ .2 = (-150)^{o} & .7 = 945^{o} \\ .3 = (-120)^{o} & .8 = (-1380)^{o} \\ .4 = (-315)^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = 1440^{o} & .10 = \left(-\frac{450}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Tan}(\theta) < 0], Condition2 = \left[\mathrm{Cos}(\theta) = \frac{4}{9}\right], Quest = \mathrm{Sin}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

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

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

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

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

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TrigonometryExercise3 for No.11002

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = -\frac{57\pi}{4} \\ .2 = \frac{\pi}{6} & .7 = -\frac{79\pi}{6} \\ .3 = \frac{3\pi}{4} & .8 = \frac{8\pi}{3} \\ .4 = -\frac{2\pi}{3} & .9 = 1 \\ .5 = -\frac{17\pi}{2} & .10 = -1.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 180^{o} & .6 = 750^{o} \\ .2 = (-225)^{o} & .7 = (-1575)^{o} \\ .3 = (-330)^{o} & .8 = (-1680)^{o} \\ .4 = (-240)^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = (-720)^{o} & .10 = \left(\frac{630}{\pi}\right)^{o} \end{bmatrix}$$

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

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

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

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

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Cos}(\theta) = \frac{5}{9}\right], Quest = [\mathrm{Tan}(\theta) + \mathrm{Csc}(\theta)] \right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

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TrigonometryExercise3 for No.11188

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = \frac{79\pi}{6} \\ .2 = \frac{3\pi}{4} & .7 = \frac{43\pi}{3} \\ .3 = -\frac{7\pi}{6} & .8 = \frac{19\pi}{4} \\ .4 = -\frac{\pi}{3} & .9 = 6 \\ .5 = \frac{25\pi}{2} & .10 = 3.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (-960)^{o} \\ .2 = (-45)^{o} & .7 = 1755^{o} \\ .3 = (-150)^{o} & .8 = (-1590)^{o} \\ .4 = 240^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = (-1440)^{o} & .10 = \left(\frac{450}{\pi}\right)^{o} \end{bmatrix}$$

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

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

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Sin}(\theta) = \frac{3}{7}\right], Quest = [\mathrm{Cot}(\theta) + \mathrm{Cos}(\theta)]\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

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

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

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TrigonometryExercise3 for No.11505

$$No1=\begin{bmatrix} .1=\frac{3\pi}{2} & .6=\frac{47\pi}{3} \\ .2=-\frac{4\pi}{3} & .7=-\frac{63\pi}{4} \\ .3=-\frac{7\pi}{6} & .8=-\frac{43\pi}{6} \\ .4=-\frac{5\pi}{4} & .9=5 \\ .5=-\frac{9\pi}{2} & .10=-2.5 \end{bmatrix}, No2=\begin{bmatrix} .1=180^{o} & .6=1305^{o} \\ .2=300^{o} & .7=(-2310)^{o} \\ .3=(-150)^{o} & .8=(-780)^{o} \\ .4=(-135)^{o} & .9=\left(\frac{90}{\pi}\right)^{o} \\ .5=2160^{o} & .10=\left(-\frac{900}{\pi}\right)^{o} \end{bmatrix}$$

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

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

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

$$No6=\left[A=\frac{3\pi}{2}, B=2\pi, Condition=\left[\mathrm{Cos}(\theta)=\frac{1}{7}\right], Quest=[\mathrm{Tan}(\theta)+\mathrm{Csc}(\theta)]\right], \quad ,\left[\frac{\sqrt{:)}}{:(}\right]$$

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

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

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TrigonometryExercise3 for No.12113

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = -\frac{65\,\pi}{6} \\ .2 = \frac{5\,\pi}{3} & .7 = -\frac{13\,\pi}{3} \\ .3 = \frac{7\,\pi}{4} & .8 = \frac{33\,\pi}{4} \\ .4 = \frac{5\,\pi}{6} & .9 = 3 \\ .5 = \frac{15\,\pi}{2} & .10 = -3.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (-1830)^{o} \\ .2 = 240^{o} & .7 = 1035^{o} \\ .3 = 135^{o} & .8 = (-2760)^{o} \\ .4 = 330^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = (-720)^{o} & .10 = \left(\frac{720}{\pi}\right)^{o} \end{bmatrix}$$

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

$$No4 = [Condition1 = [\mathrm{Sec}(\theta) < 0], Condition2 = [\mathrm{Tan}(\theta) = 3], Quest = \mathrm{Csc}(\theta)], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

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

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

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

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

TrigonometryExercise3 for No.12541

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = \frac{16\pi}{3} \\ .2 = -\frac{7\pi}{6} & .7 = \frac{37\pi}{6} \\ .3 = \frac{5\pi}{4} & .8 = \frac{55\pi}{4} \\ .4 = \frac{5\pi}{3} & .9 = 6 \\ .5 = \frac{11\pi}{2} & .10 = 2.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = 1860^{o} \\ .2 = (-45)^{o} & .7 = (-585)^{o} \\ .3 = 240^{o} & .8 = 2670^{o} \\ .4 = 330^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = (-720)^{o} & .10 = \left(-\frac{630}{\pi}\right)^{o} \end{bmatrix}$$

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

$$No4 = [Condition1 = [Sec(\theta) < 0], Condition2 = [Cot(\theta) = 6], Quest = Sin(\theta)], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

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

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

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

TrigonometryExercise3 for No.12590

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{21\pi}{4} \\ .2 = \frac{\pi}{6} & .7 = \frac{32\pi}{3} \\ .3 = -\frac{4\pi}{3} & .8 = \frac{73\pi}{6} \\ .4 = -\frac{\pi}{4} & .9 = 7 \\ .5 = -\frac{25\pi}{2} & .10 = \text{-}6.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = 780^{o} \\ .2 = 330^{o} & .7 = 1485^{o} \\ .3 = (\text{-}135)^{o} & .8 = 1950^{o} \\ .4 = 120^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = 720^{o} & .10 = \left(-\frac{990}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\mathrm{Tan}(\theta) < 0], Condition2 = \left[\mathrm{Cos}(\theta) = \frac{5}{11}\right], Quest = \mathrm{Csc}(\theta)\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

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

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\mathrm{Cot}(\theta) = \frac{3}{8}\right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Cos}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No6 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\mathrm{Cot}(\theta) = \frac{1}{4}\right], Quest = [\mathrm{Sec}(\theta) - \mathrm{Csc}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No7 = \left[A = \frac{3\pi}{2}, B = 2\pi, Condition = \left[\mathrm{Tan}(\theta) = \frac{\text{-}7}{2}\right], Quest = [\mathrm{Sin}(\theta) - \mathrm{Sec}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

$$No8 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\mathrm{Sin}(\theta) = \frac{5}{9}\right], Quest = [\mathrm{Sec}(\theta) - \mathrm{Cot}(\theta)]\right], \quad , \begin{bmatrix} \sqrt{:)} \\ :(\end{bmatrix}$$

TrigonometryExercise3 for No.12621

$$No1 = \begin{bmatrix} .1 = \frac{\pi}{2} & .6 = \frac{44\pi}{3} \\ .2 = \frac{\pi}{6} & .7 = -\frac{61\pi}{6} \\ .3 = \frac{2\pi}{3} & .8 = \frac{43\pi}{4} \\ .4 = \frac{7\pi}{4} & .9 = 2 \\ .5 = -\frac{11\pi}{2} & .10 = -0.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^{o} & .6 = (-2850)^{o} \\ .2 = (-330)^{o} & .7 = 2460^{o} \\ .3 = 225^{o} & .8 = (-1845)^{o} \\ .4 = 240^{o} & .9 = \left(\frac{90}{\pi}\right)^{o} \\ .5 = (-2880)^{o} & .10 = \left(\frac{990}{\pi}\right)^{o} \end{bmatrix}$$

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

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

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\text{Cot}(\theta) = \frac{5}{7} \right], Quest = [\text{Sec}(\theta) + \text{Csc}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(} \right]$$

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

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

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

TrigonometryExercise3 for No.12641

$$No1 = \begin{bmatrix} .1 = \pi & .6 = -\frac{10\pi}{3} \\ .2 = \frac{7\pi}{6} & .7 = \frac{35\pi}{4} \\ .3 = -\frac{3\pi}{4} & .8 = \frac{71\pi}{6} \\ .4 = -\frac{5\pi}{3} & .9 = 6 \\ .5 = -\frac{5\pi}{2} & .10 = 6.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 270^o & .6 = 2190^o \\ .2 = 315^o & .7 = (-2640)^o \\ .3 = 330^o & .8 = 2475^o \\ .4 = 60^o & .9 = \left(\frac{270}{\pi}\right)^o \\ .5 = 360^o & .10 = \left(-\frac{810}{\pi}\right)^o \end{bmatrix}$$

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

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

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

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

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

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

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TrigonometryExercise3 for No.12674

$$No1 = \begin{bmatrix} .1 = \frac{3\pi}{2} & .6 = -\frac{21\pi}{4} \\ .2 = \frac{3\pi}{4} & .7 = -\frac{10\pi}{3} \\ .3 = \frac{5\pi}{3} & .8 = -\frac{53\pi}{6} \\ .4 = -\frac{7\pi}{6} & .9 = 5 \\ .5 = \frac{11\pi}{2} & .10 = 3.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = (-2115)^{o} \\ .2 = (-150)^{o} & .7 = (-840)^{o} \\ .3 = 60^{o} & .8 = 1410^{o} \\ .4 = (-315)^{o} & .9 = \left(\frac{360}{\pi}\right)^{o} \\ .5 = 720^{o} & .10 = \left(-\frac{630}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = \left[\mathrm{Cos}(\theta) = \frac{5}{7}\right], Condition2 = [\mathrm{Tan}(\theta) < 0], Quest = \mathrm{Sin}(\theta)\right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

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

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

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

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

TrigonometryExercise3 for No.12728

$$No1 = \begin{bmatrix} .1 = \pi & .6 = \frac{91\pi}{6} \\ .2 = \frac{2\pi}{3} & .7 = -\frac{59\pi}{4} \\ .3 = -\frac{7\pi}{6} & .8 = \frac{34\pi}{3} \\ .4 = \frac{3\pi}{4} & .9 = 3 \\ .5 = \frac{19\pi}{2} & .10 = 5.5 \end{bmatrix}, No2 = \begin{bmatrix} .1 = 90^{o} & .6 = (-1200)^{o} \\ .2 = 300^{o} & .7 = (-2745)^{o} \\ .3 = (-30)^{o} & .8 = (-1830)^{o} \\ .4 = (-315)^{o} & .9 = \left(\frac{180}{\pi}\right)^{o} \\ .5 = 1440^{o} & .10 = \left(-\frac{630}{\pi}\right)^{o} \end{bmatrix}$$

$$No3 = \left[Condition1 = [\operatorname{Sin}(\theta) < 0], Condition2 = \left[\operatorname{Cos}(\theta) = \frac{3}{10}\right], Quest = \operatorname{Cot}(\theta) \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

$$No5 = \left[A = 0, B = \frac{\pi}{2}, Condition = \left[\operatorname{Cos}(\theta) = \frac{5}{12}\right], Quest = [\operatorname{Sin}(\theta) + \operatorname{Tan}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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

$$No7 = \left[A = \frac{\pi}{2}, B = \pi, Condition = \left[\operatorname{Cot}(\theta) = \frac{-7}{4}\right], Quest = [\operatorname{Csc}(\theta) - \operatorname{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

$$No8 = \left[A = \pi, B = \frac{3\pi}{2}, Condition = \left[\operatorname{Sin}(\theta) = \frac{-4}{7}\right], Quest = [\operatorname{Tan}(\theta) - \operatorname{Sec}(\theta)] \right], \quad , \left[\frac{\sqrt{:)}}{:(}\right]$$

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