

5.

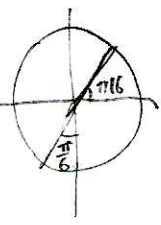
$$\begin{aligned} a) \sin(\alpha - \pi) &= \sin(-(\pi - \alpha)) \\ &= -\sin(\pi - \alpha) \\ &= -\underline{\underline{\sin \alpha}} \end{aligned}$$

$$\begin{aligned} b) \cos(\alpha - \frac{\pi}{2}) &= \cos(-(\frac{\pi}{2} - \alpha)) \\ &= \cos(\frac{\pi}{2} - \alpha) \\ &= \underline{\underline{\sin \alpha}} \end{aligned}$$

$$\begin{aligned} c) \tan(-\alpha - \pi) &= \tan(-(\pi + \alpha)) \\ &= -\tan(\pi + \alpha) \\ &= -\underline{\underline{\tan \alpha}} \end{aligned}$$

$$\begin{aligned} 6. a) \sec(\pi + \frac{\pi}{3}) &= \frac{1}{\cos(\pi + \frac{\pi}{3})} \\ &= \frac{1}{-\cos \frac{\pi}{3}} = \frac{1}{-\frac{1}{2}} = \underline{\underline{-2}} \end{aligned}$$

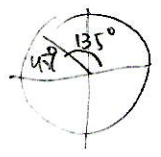
$$\begin{aligned} b) \csc(\frac{3\pi}{2} - \frac{\pi}{6}) &= \frac{1}{\sin(\frac{3\pi}{2} - \frac{\pi}{6})} \\ &= \frac{1}{-\cos \frac{\pi}{6}} = -\frac{1}{\frac{\sqrt{3}}{2}} \\ &= \underline{\underline{-\frac{2}{\sqrt{3}}}} \end{aligned}$$



akhirnya selesai

$$\begin{aligned} c) \cotg(\frac{\pi}{2} + \frac{\pi}{3}) &= \\ &= -\cotg \frac{\pi}{3} = \underline{\underline{-\frac{\sqrt{3}}{1}}} \end{aligned}$$

$$\begin{aligned} d) \sec \frac{3\pi}{4} &= \sec(\pi - \frac{\pi}{4}) \\ &= \frac{1}{\cos(\pi - \frac{\pi}{4})} \\ &= \frac{1}{-\cos \frac{\pi}{4}} = \frac{1}{-\frac{\sqrt{2}}{2}} \\ &= \underline{\underline{-\frac{2}{\sqrt{2}}}} = \underline{\underline{-\sqrt{2}}} \end{aligned}$$



$$\begin{aligned} e) \csc(\frac{3\pi}{2} - \frac{\pi}{4}) &= \frac{1}{\sin(\frac{3\pi}{2} - \frac{\pi}{4})} \\ &= \frac{1}{-\cos \frac{\pi}{4}} = -\frac{1}{\frac{\sqrt{2}}{2}} = \underline{\underline{-\frac{2}{\sqrt{2}}}} \\ &= \underline{\underline{-\sqrt{2}}} \end{aligned}$$



$$\begin{aligned} f) \cotg(-\pi + \frac{\pi}{4}) &= \\ &= \cotg \frac{\pi}{4} = \frac{1}{\tan \frac{\pi}{4}} = \frac{1}{1} \\ &= \underline{\underline{1}} \end{aligned}$$

