

The Weekly Rigor

No. 255

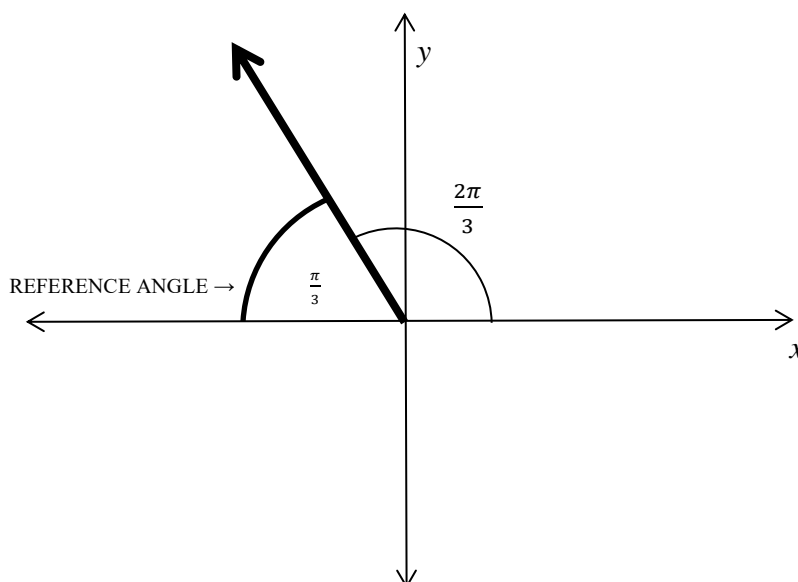
“A mathematician is a machine for turning coffee into theorems.”

May 11, 2019

15 Problems Concerning Reference Angles (Part 2 of 2) (Part 2)

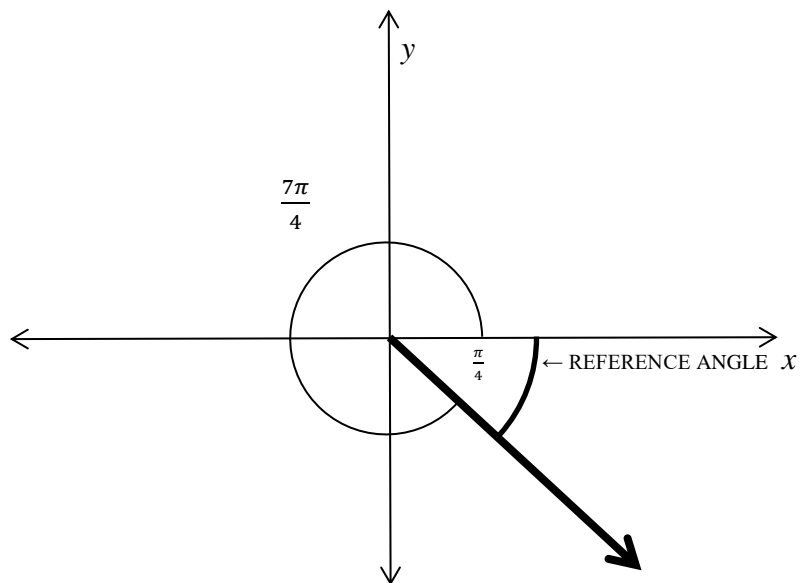
SELECTED SOLUTIONS

1. $\frac{2\pi}{3}$



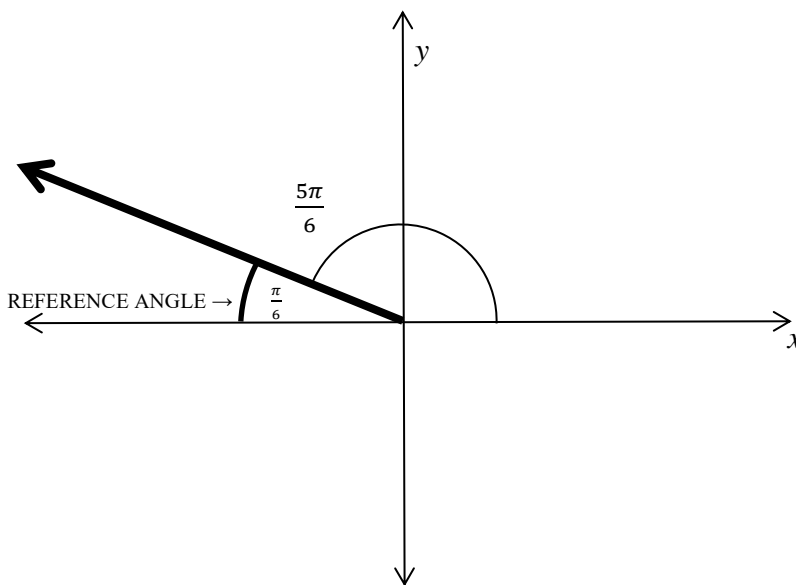
For an angle of $\frac{2\pi}{3}$ in standard position, the reference angle is $\pi - \frac{2\pi}{3} = \frac{\pi}{3}$.

3. $\frac{7\pi}{4}$



For an angle of $\frac{7\pi}{4}$ in standard position, the reference angle is $2\pi - \frac{7\pi}{4} = \frac{\pi}{4}$.

5. $\frac{5\pi}{6}$



For an angle of $\frac{5\pi}{6}$ in standard position, the reference angle is $\pi - \frac{5\pi}{6} = \frac{\pi}{6}$.

“Only he who never plays, never loses.”