

# The Weekly Rigor

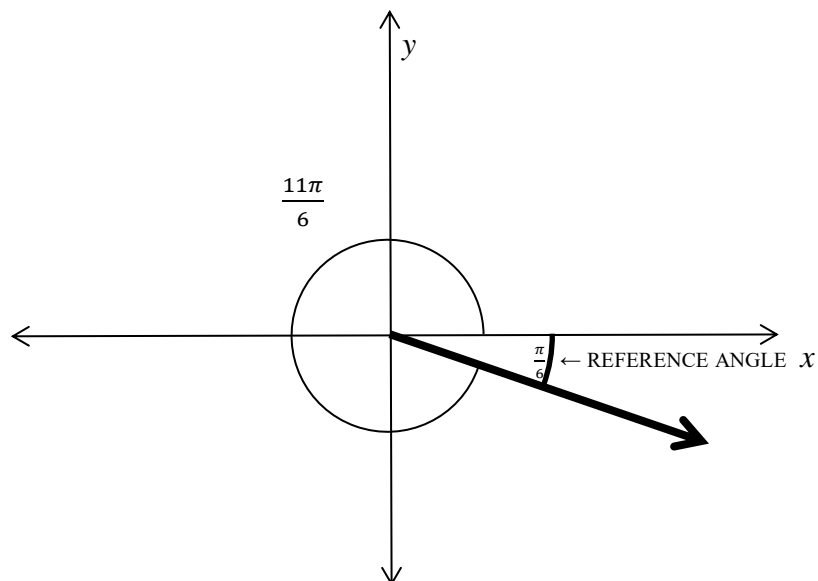
No. 256

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

May 18, 2019

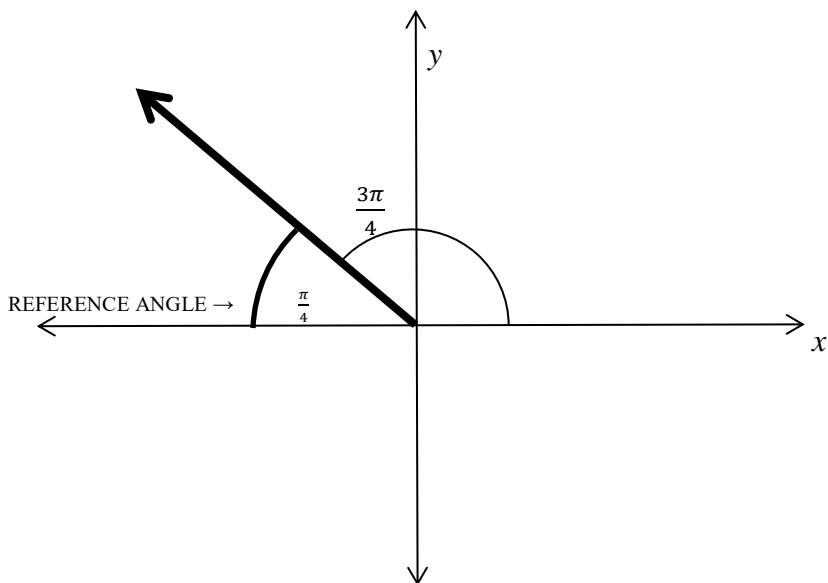
## 15 Problems Concerning Reference Angles (Part 2 of 2) (Part 3)

7.  $\frac{11\pi}{6}$



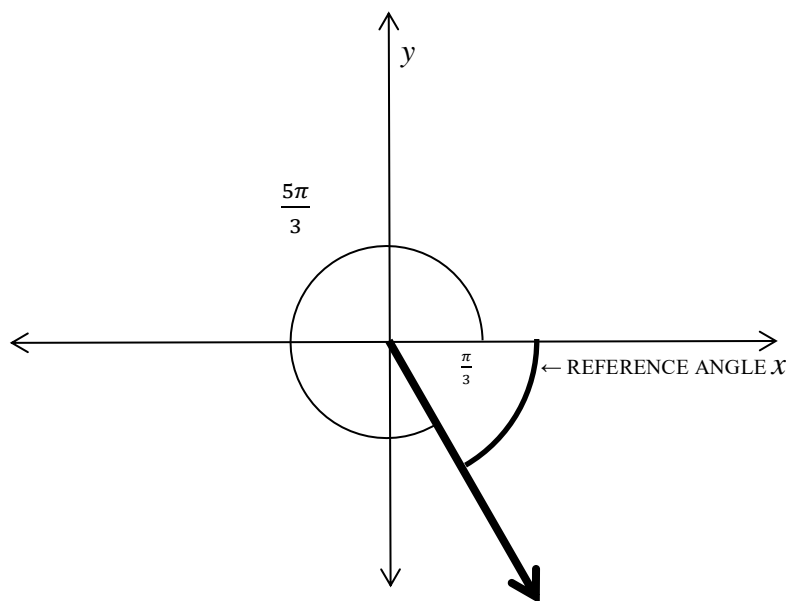
For an angle of  $\frac{11\pi}{6}$  in standard position, the reference angle is  $2\pi - \frac{11\pi}{6} = \frac{\pi}{6}$ .

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



For an angle of  $\frac{3\pi}{4}$  in standard position, the reference angle is  $\pi - \frac{3\pi}{4} = \frac{\pi}{4}$ .

11.  $\frac{5\pi}{3}$



For an angle of  $\frac{5\pi}{3}$  in standard position, the reference angle is  $2\pi - \frac{5\pi}{3} = \frac{\pi}{3}$ .

“Only he who never plays, never loses.”