

11-1 Reference Angles

State the quadrant in which the terminal side of each angle lies.

1) $\frac{11\pi}{6}$ IV

2) $\frac{4\pi}{3}$ III

3) $\frac{\pi}{6}$ I

4) $\frac{5\pi}{4}$ III

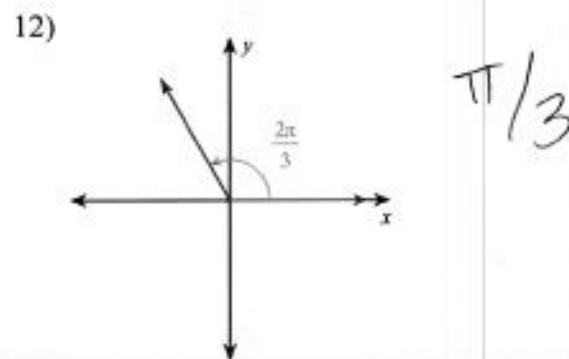
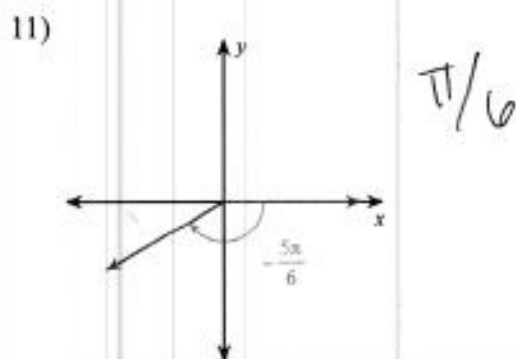
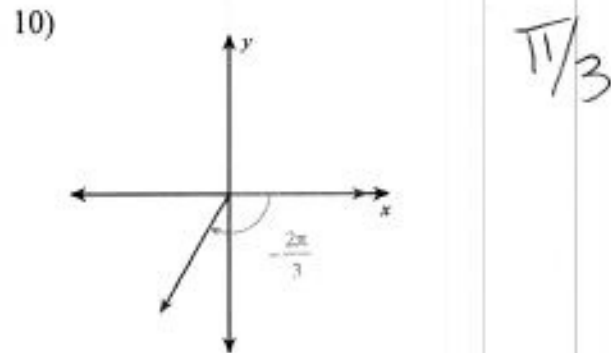
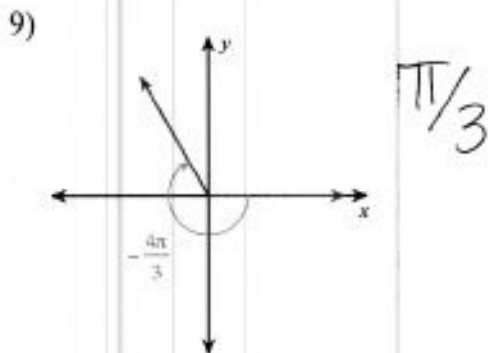
5) $\frac{5\pi}{6}$ II

6) $\frac{2\pi}{3}$ II

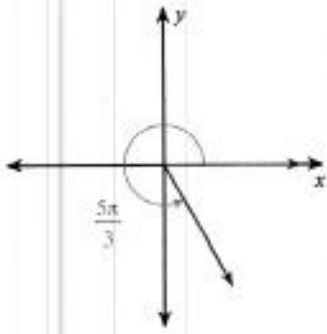
7) $-\frac{3\pi}{4}$ III

8) $-\frac{4\pi}{3}$ II

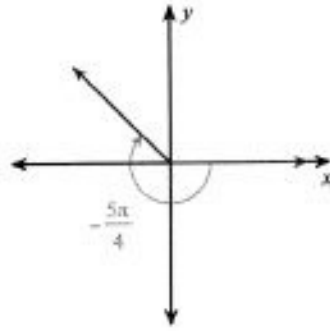
Find the reference angle.



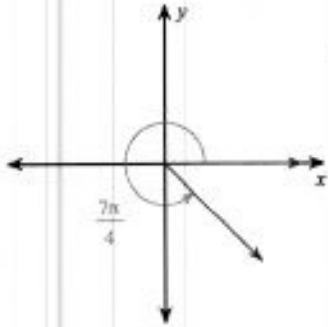
13)

 $\pi/3$

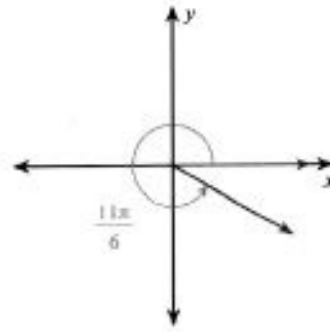
14)

 $\pi/4$

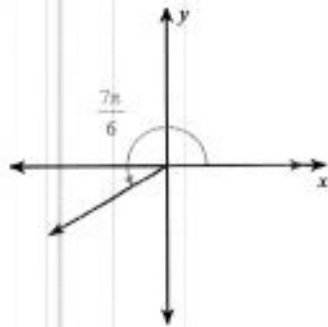
15)

 $\pi/4$

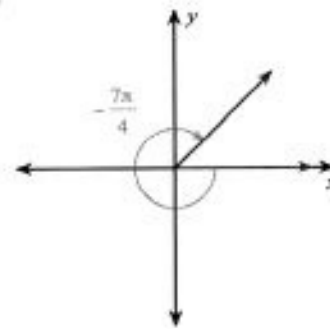
16)

 $\pi/6$

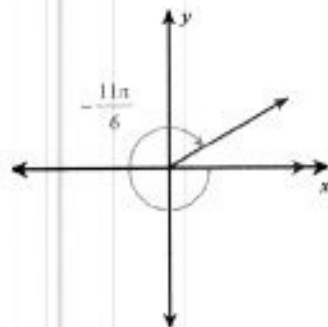
17)

 $\pi/6$

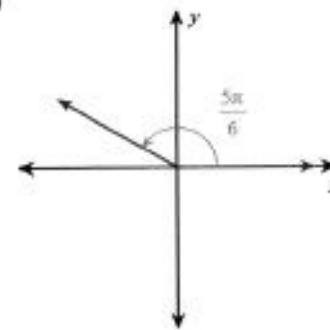
18)

 $\pi/4$

19)

 $\pi/6$

20)

 $\pi/6$