

Angles and Angle Measure

Convert each degree measure into radians and each radian measure into degrees.

1)  $325^\circ$

2)  $340^\circ$

3)  $60^\circ$

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

5)  $\frac{23\pi}{12}$

6)  $\frac{10\pi}{3}$

7)  $570^\circ$

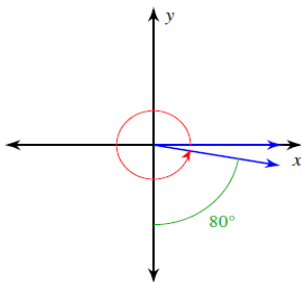
8)  $-315^\circ$

9)  $\frac{\pi}{2}$

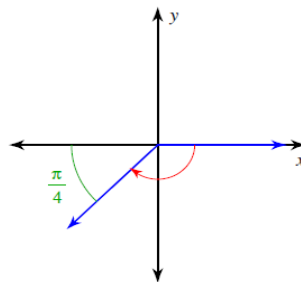
10)  $-180^\circ$

Find the measure of each angle.

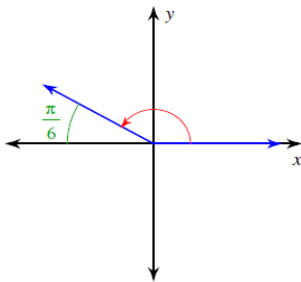
11)



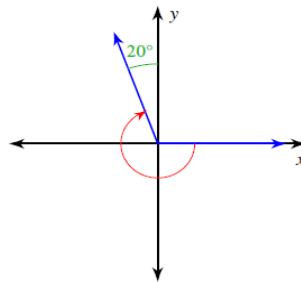
12)



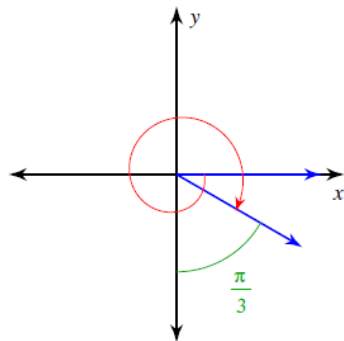
13)



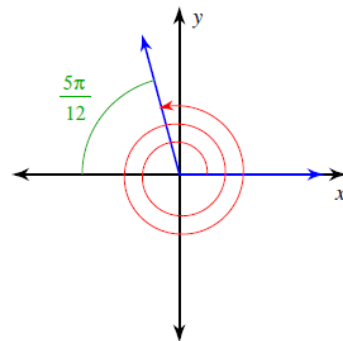
14)



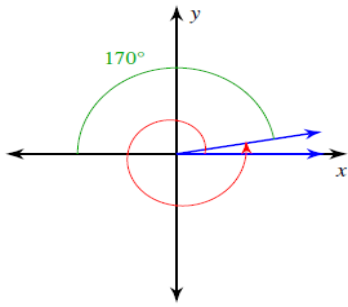
15)



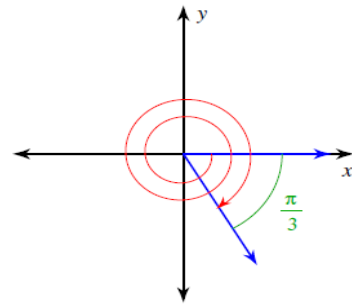
16)



17)

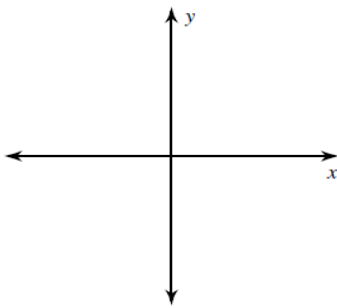


18)

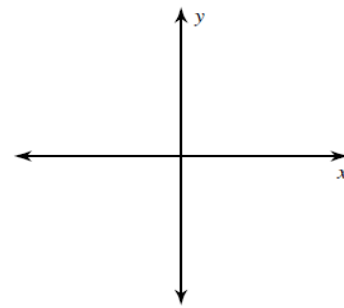


**Draw an angle with the given measure in standard position.**

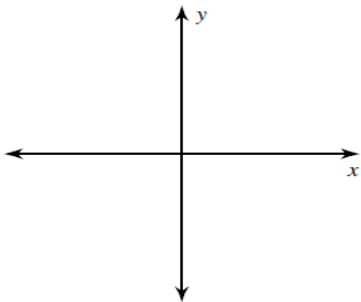
19)  $280^\circ$



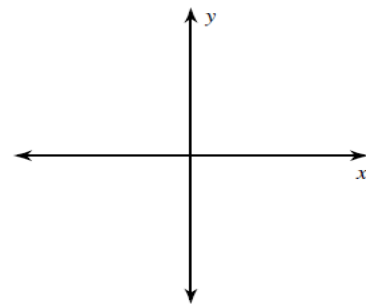
20)  $710^\circ$



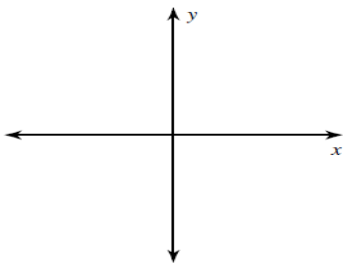
21)  $-120^\circ$



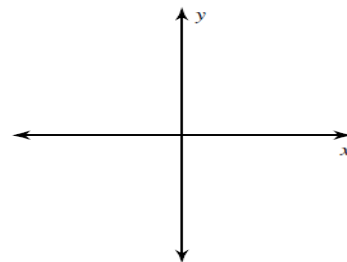
22)  $\frac{11\pi}{6}$



23)  $-\frac{10\pi}{3}$



24)  $440^\circ$



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

25)  $-509^\circ$

26)  $-\frac{5\pi}{6}$