Name_____

Angles and Angle Measure

Date_____ Period____

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

1) 325°

2) 60°

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

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

5) 570°

6) –315°

Convert each decimal degree measure into degrees-minutes-seconds and each degrees-minutes-seconds into decimal degrees.

7) 128.77°

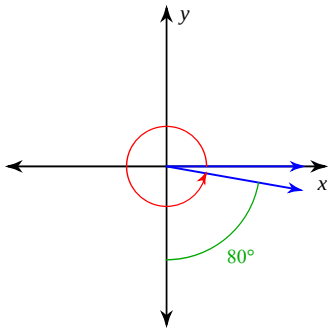
8) 232° 7' 57"

9) –154° 47' 42"

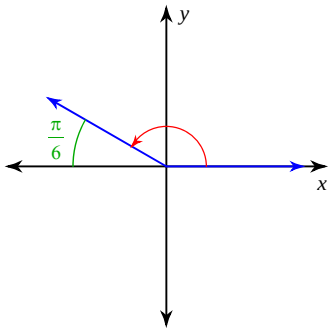
10) –0.9225°

Find the measure of each angle.

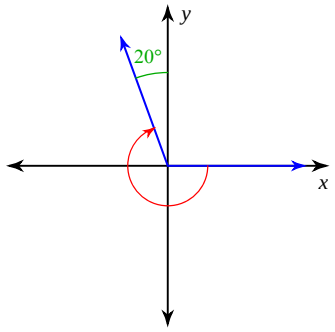
11)



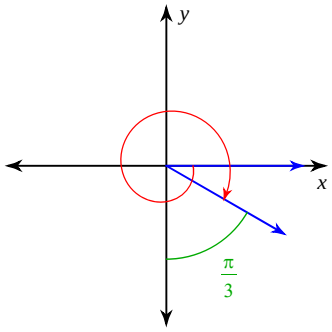
12)



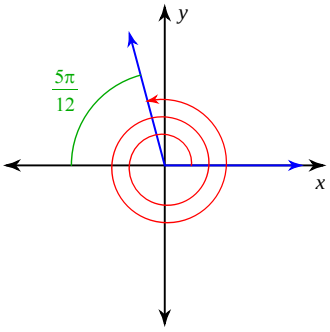
13)



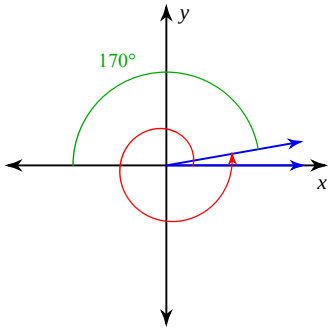
14)



15)

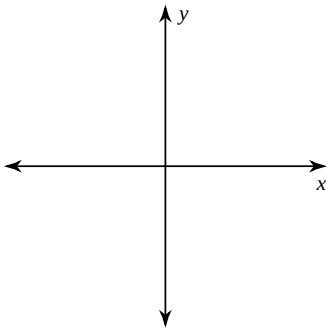


16)

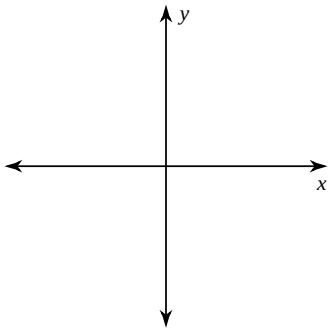


Draw an angle with the given measure in standard position.

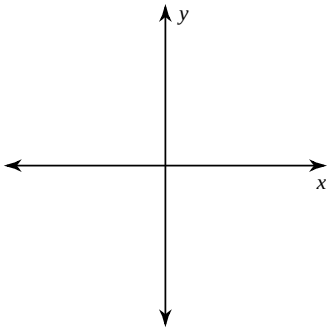
17) 280°



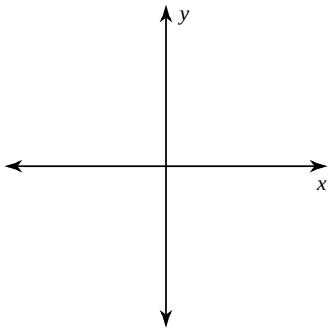
18) 710°



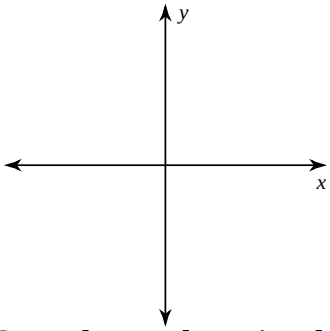
19) −120°



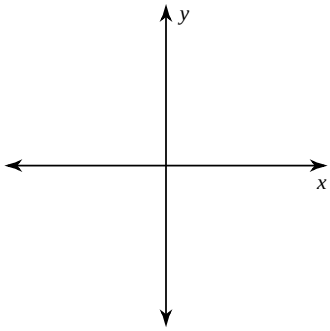
20) $\frac{11\pi}{6}$



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



22) 440°



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

23) −509°

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