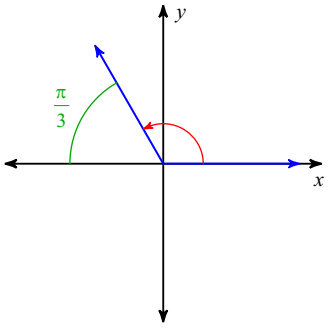
Acc Pre-Calc September 5, 2019 Name_____

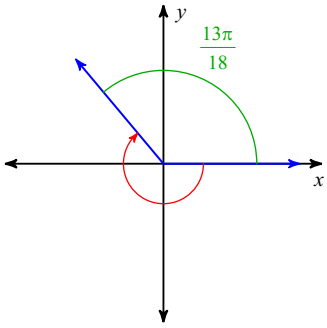
Angles

Find the measure of each angle.

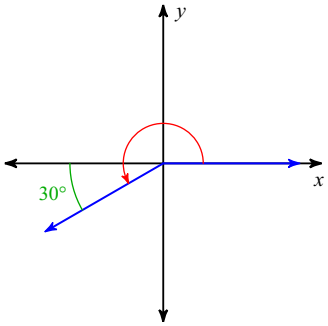
1)



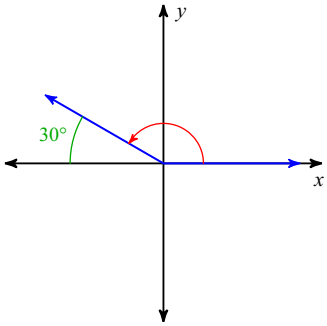
2)



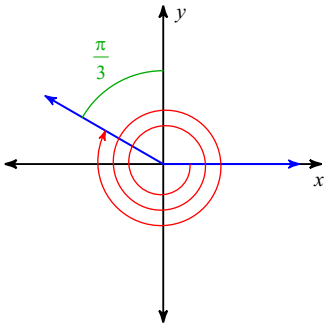
3)



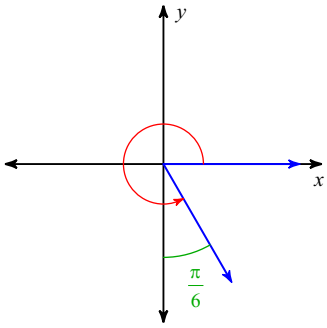
4)



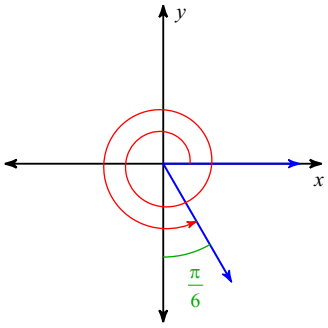
5)



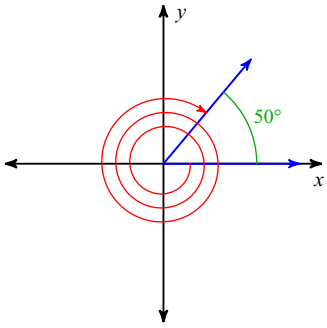
6)



7)

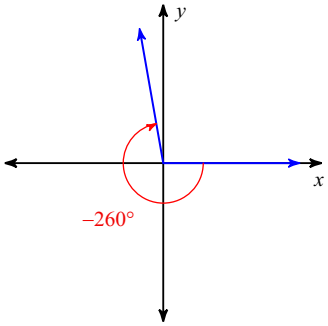


8)

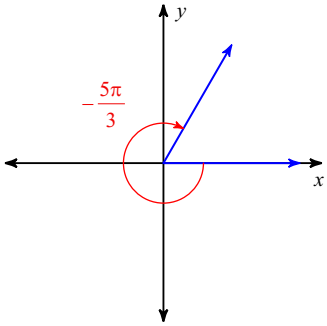


Find the reference angle.

9)



10)



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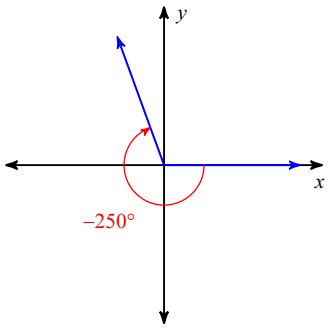
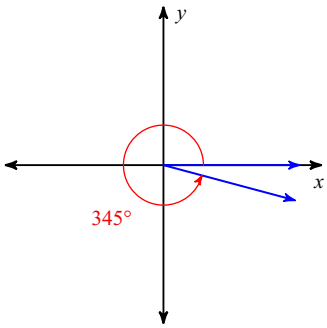
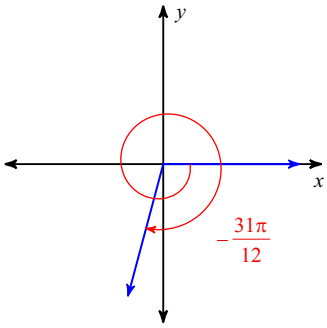


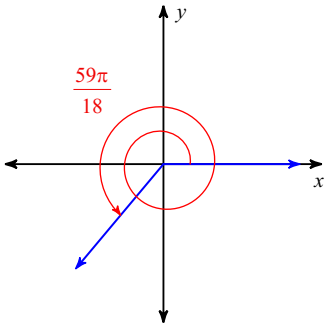
12)



13)



14)



Find a positive and negative coterminal angle for each given angle.

15) $-\frac{35\pi}{12}$

16) $\frac{11\pi}{12}$

17) $\frac{13\pi}{4}$

18) $150°$

19) $-640°$

20) $-\frac{5\pi}{4}$

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

21) $170°$

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

23) $-490°$

24) $\frac{5\pi}{3}$

25) $-\frac{31\pi}{12}$

26) $-\frac{8\pi}{3}$

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

27) $185°$

28) $-495°$

29) $\frac{13\pi}{9}$

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

