

13-2 Quiz Review

Date _____ Hour _____

YOU MUST SHOW ALL YOUR WORK FOR ALL QUESTIONS FOR FULL CREDIT!**Find the reference angle.**

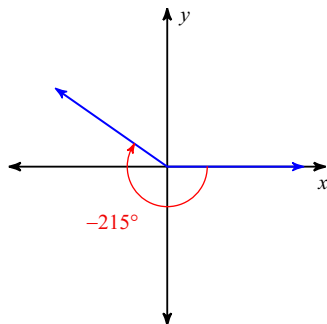
1) 220°

2) $-\frac{7\pi}{6}$

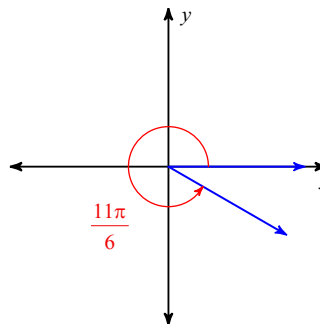
3) -290°

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

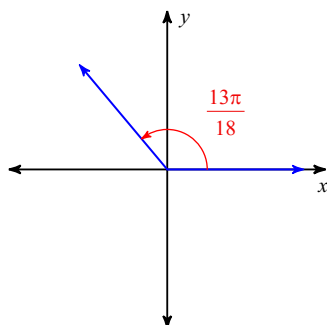
5)



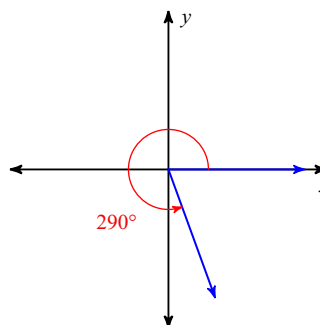
6)



7)



8)

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

9) 200°

10) $-\frac{5\pi}{3}$

11) $\frac{11\pi}{18}$

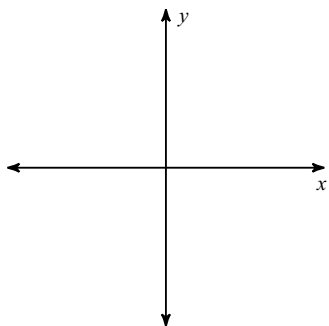
12) -281°

13) $\frac{11\pi}{3}$

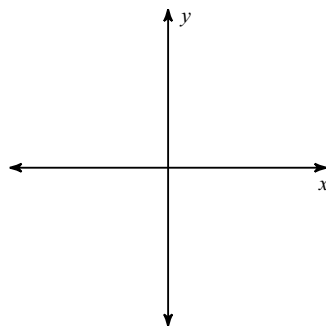
14) $-\frac{11\pi}{12}$

Sketch the given angle.

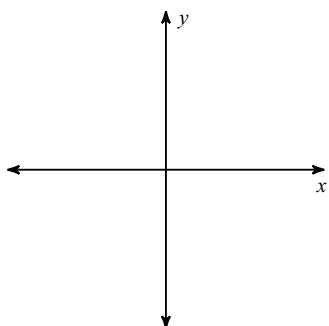
15) -95°



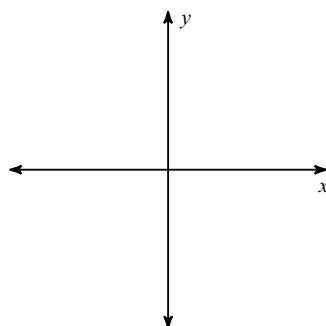
16) -190°



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



18) $-\frac{2\pi}{3}$



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

19) -585°

20) 285°

21) $\frac{2\pi}{3}$

22) $-\frac{19\pi}{10}$

Convert each degree measure into radians.

23) 160°

24) -225°

Convert each radian measure into degrees.

25) $\frac{17\pi}{12}$

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

Answers to 13-2 Quiz Review

1) 40°

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

3) 70°

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

5) 35°

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

7) $\frac{5\pi}{18}$

8) 70°

9) III

10) I

11) II

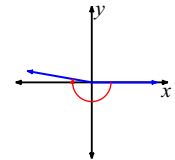
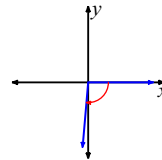
12) I

13) IV

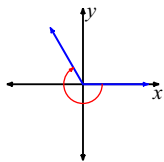
14) III

15)

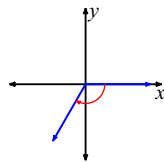
16)



17)



18)



19) 135° and -225°

20) 645° and -75°

21) $\frac{8\pi}{3}$ and $-\frac{4\pi}{3}$

22) $\frac{\pi}{10}$ and $-\frac{39\pi}{10}$

23) $\frac{8\pi}{9}$

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

25) 255°

26) -150°