

Review Topic #7: Trigonometry - Angles

Date _____

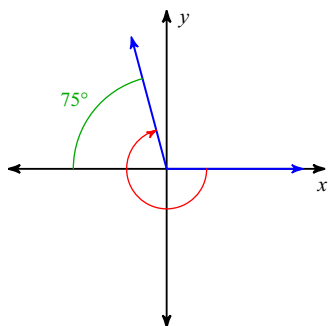
State the quadrant in which the terminal side of each angle lies.

1) -520°

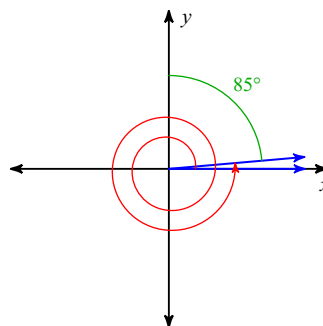
2) -330°

Find the measure of each angle.

3)

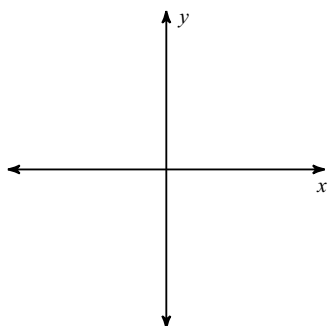


4)

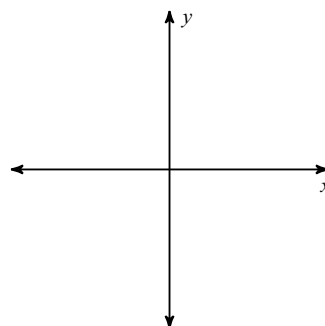


Draw an angle with the given measure in standard position.

5) -660°



6) 390°



Find the reference angle.

7) -195°

8) -495°

Honors and VT only: Find a positive and a negative coterminal angle for each given angle.

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

10) $-\frac{\pi}{12}$

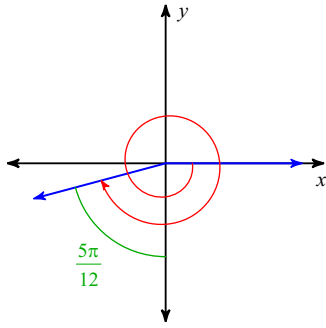
Honors and VT only: State the quadrant in which the terminal side of each angle lies.

11) $\frac{8\pi}{3}$

12) $-\frac{10\pi}{9}$

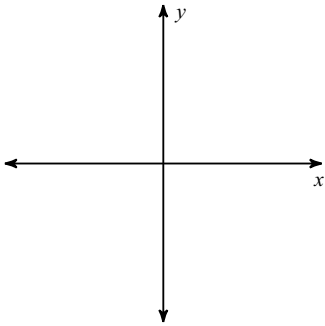
Honors and VT only: Find the measure of each angle.

13)



Honors and VT only: Draw an angle with the given measure in standard position.

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



Honors and VT only: Find the reference angle.

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

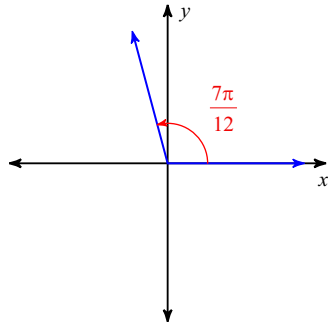
Honors and VT only: Convert each degree measure into radians and each radian measure into degrees.

16) -220°

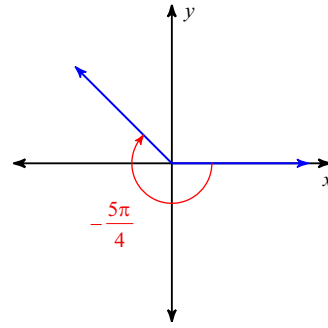
17) $\frac{41\pi}{36}$

Honors and VT only: Find the reference angle.

18)



19)



Answers to Review Topic #7: Trigonometry - Angles (ID: 1)

1) III

2) I

3) -255°

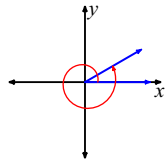
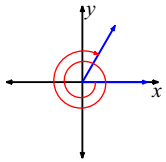
4) 725°

5)

6)

7) 15°

8) 45°



9) $\frac{7\pi}{6}$ and $-\frac{17\pi}{6}$

10) $\frac{23\pi}{12}$ and $-\frac{25\pi}{12}$

11) II

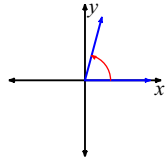
12) II

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

14)

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

16) $-\frac{11\pi}{9}$



17) 205°

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

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