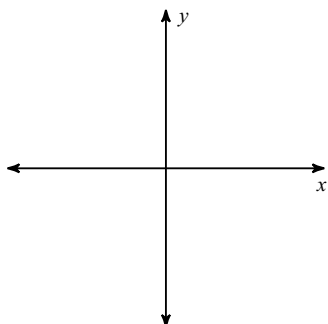


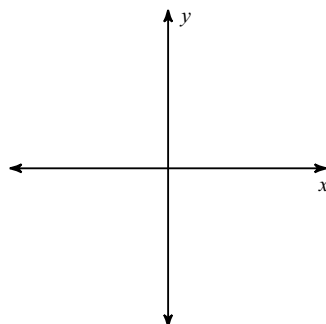
Trigonometry Test Review Day 2

Draw an angle with the given measure in standard position.

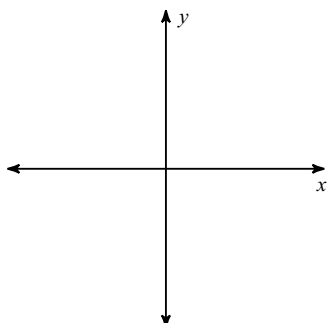
1) 255°



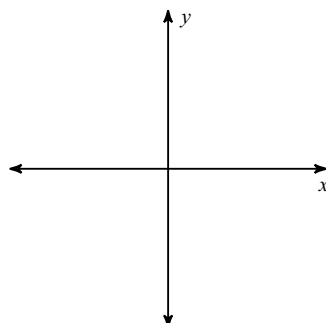
2) -680°



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

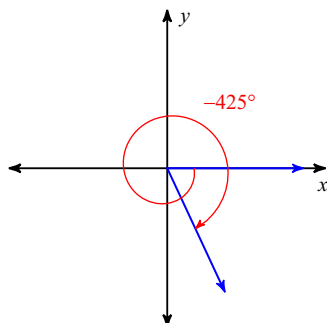


4) $\frac{11\pi}{4}$

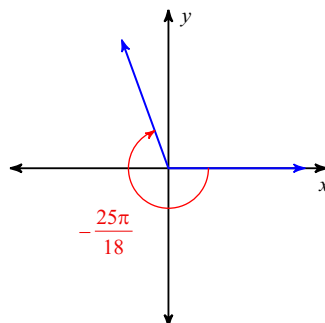


Find the reference angle.

5)



6)



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

7) 329°

8) -675°

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

9) 205°

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

Find the exact value of each trigonometric function.

11) $\sec 60^\circ$

12) $\sec 585^\circ$

13) $\sec -990^\circ$

14) $\sec \frac{5\pi}{3}$

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

16) $\sec \frac{\pi}{4}$

Find the exact values of the six trigonometric functions of θ if the terminal side of θ contains the given point.

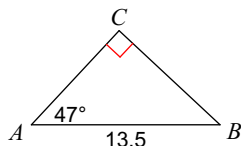
17) $(-5, 12)$

Suppose θ is an angle in standard position whose terminal side is in the given quadrant. For each function, find the exact values of the remaining five trigonometric functions of θ .

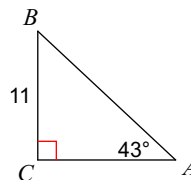
18) $\cos \theta = \frac{\sqrt{3}}{2}$, Quadrant IV

Solve each triangle (find every missing side and angle) using trigonometric functions. Round answers to the nearest tenth.

19)

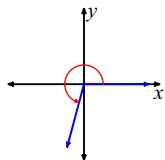


20)



Answers to Trigonometry Test Review Day 2

1)



5) 65°

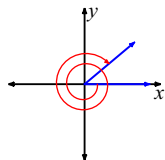
9) $\frac{41\pi}{36}$

13) Undefined

17)

20) $m\angle B = 47^\circ$, $b = 11.8$, $c = 16.1$

2)



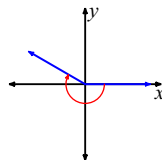
6) $\frac{7\pi}{18}$

10) 330°

14) 2

18)

3)



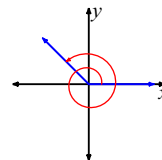
7) 689° and -31°

11) 2

15) $\sqrt{2}$

19) $m\angle B = 43^\circ$, $b = 9.2$, $a = 9.9$

4)



8) 45° and -315°

12) $-\sqrt{2}$

16) $\sqrt{2}$