

Unit 2 Test Review #2

Find a coterminal angle between  $0^\circ$  and  $360^\circ$ .

1)  $810^\circ$

2)  $-240^\circ$

$90^\circ$

$120^\circ$

3)  $930^\circ$

4)  $-285^\circ$

$210^\circ$

$75^\circ$

Find a coterminal angle between 0 and  $2\pi$  for each given angle.

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

6)  $-\frac{11\pi}{12}$   $\frac{13\pi}{12}$

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

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

8)  $45^\circ$   $\frac{\pi}{4}$

$660^\circ$

9)  $390^\circ$   $\frac{13\pi}{6}$

10)  $300^\circ$   $\frac{5\pi}{3}$

11)  $\frac{7\pi}{4}$

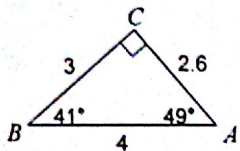
12)  $\frac{14\pi}{3}$

$315^\circ$

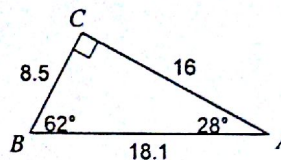
$840^\circ$

Solve each triangle. Round answers to the nearest tenth.

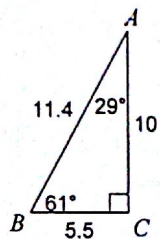
13)



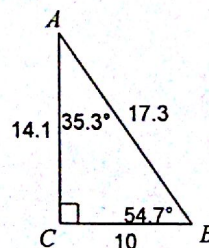
14)



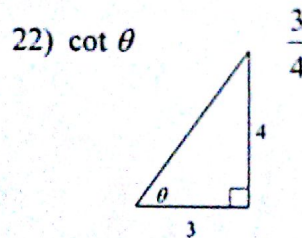
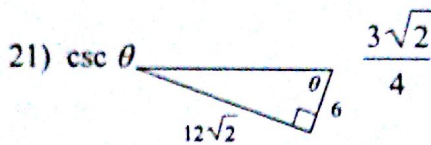
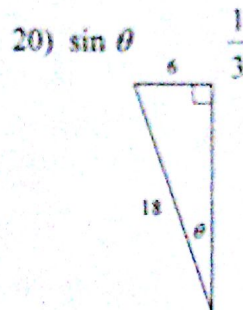
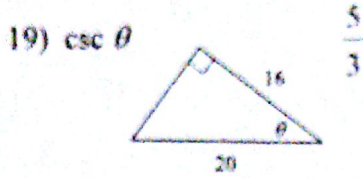
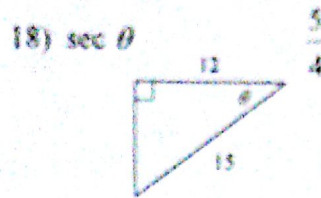
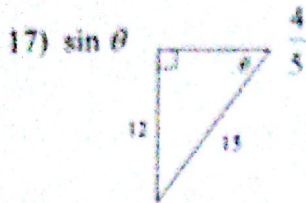
15)



16)



Find the value of the trig function indicated.



23)  $\sin 45^\circ$

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

25)  $\cos \frac{7\pi}{4}$

26)  $\csc 30^\circ$

27)  $\sec 120^\circ$

28)  $\sec \frac{5\pi}{6}$

Plot the coordinate, then make a right triangle to find all six trig ratios.

29)  $(3, 5)$

30)  $(-4, -10)$

31)  $(7, -2)$