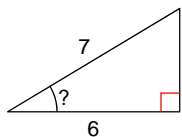


RIGHT TRIANGLES

© 2013 Kuta Software LLC. All rights reserved.

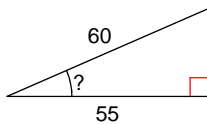
Find the measure of the indicated angle to the nearest degree.

1)



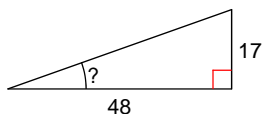
- A) 49° B) 41°
 C) 31° D) 59°

2)



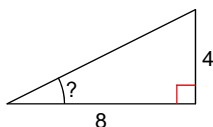
- A) 15° B) 24°
 C) 47° D) 34°

3)



- A) 20° B) 69°
 C) 70° D) 33°

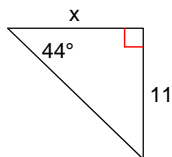
4)



- A) 60° B) 27°
 C) 30° D) 48°

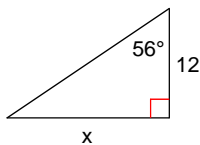
Find the missing side. Round to the nearest tenth.

5)



- A) 10.6 B) 17.1
 C) 11.4 D) 9.5

6)



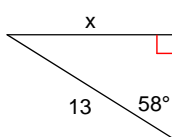
- A) 8.1 B) 13.9
 C) 12.5 D) 17.8

7)



- A) 14.9 B) 13.2
 C) 10.6 D) 9.6

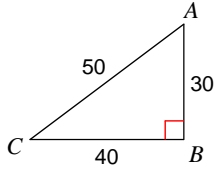
8)



- A) 8.2 B) 14.0
 C) 15.3 D) 11.0

Find the value of each trigonometric ratio.

9) $\sin C$



- A) $\frac{5}{3}$ B) $\frac{3}{5}$
C) $\frac{4}{3}$ D) $\frac{5}{4}$

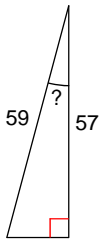
Find the value of each trigonometric ratio to the nearest ten-thousandth.

10) $\sin 72^\circ$

- A) 0.9511 B) 5.6713
C) 0.1736 D) 0.9848

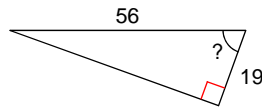
Find the measure of the indicated angle to the nearest degree.

11)



- A) 44° B) 15°
C) 20° D) 46°

12)



- A) 20° B) 70°
C) 19° D) 71°

Find each angle measure to the nearest degree.

13) $\cos A = 0.9976$

- A) 7° B) 2°
C) 1° D) 4°