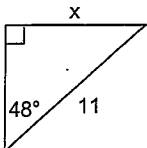
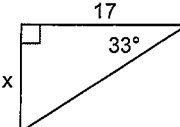
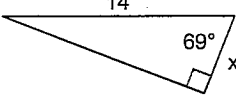


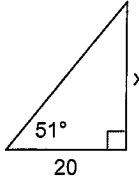
Trig

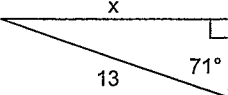
Find the missing side. Round to the nearest tenth.

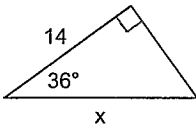
1)  $\sin 48^\circ = \frac{x}{11}$
 $11 \cdot \sin 48^\circ = x =$
 $= 8.2$

2)  $\tan 33^\circ = \frac{x}{17}$
 $17 \cdot \tan 33^\circ = x$
 $= 11$

3)  $\cos 69^\circ = \frac{x}{14}$
 $14 \cdot \cos 69^\circ = x$
 $= 5$

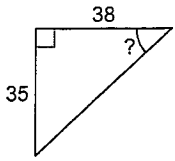
4)  $\tan 51^\circ = \frac{x}{20}$
 $20 \cdot \tan 51^\circ = x$
 $= 24.7$

5)  $\sin 71^\circ = \frac{x}{13}$
 $13 \cdot \sin 71^\circ = x$
 $= 12.3$

6)  $\cos 36^\circ = \frac{14}{x}$
 $x \cdot \cos 36^\circ = 14$
 $x = \frac{14}{\cos 36^\circ}$
 $x = 17.3$

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

7)

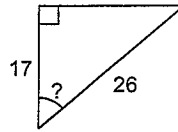


$$\tan X = \frac{35}{38}$$

$$X = \tan^{-1}\left(\frac{35}{38}\right)$$

$$X = 43^\circ$$

8)

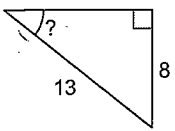


$$\cos X = \frac{17}{26}$$

$$X = \cos^{-1}\left(\frac{17}{26}\right)$$

$$X = 49^\circ$$

9)

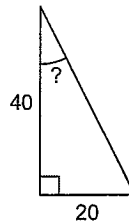


$$\sin X = \frac{8}{13}$$

$$X = \sin^{-1}\left(\frac{8}{13}\right)$$

$$X = 38^\circ$$

10)

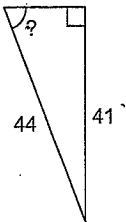


$$\tan X = \frac{20}{40}$$

$$X = \tan^{-1}\left(\frac{20}{40}\right)$$

$$X = 27^\circ$$

11)

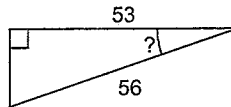


$$\sin X = \frac{41}{44}$$

$$X = \sin^{-1}\left(\frac{41}{44}\right)$$

$$X = 69^\circ$$

12)



$$\cos X = \frac{53}{56}$$

$$X = \cos^{-1}\left(\frac{53}{56}\right)$$

$$X = 19^\circ$$