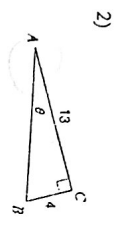
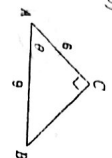




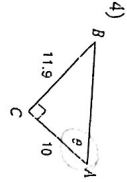
$\cos \theta = \frac{12}{13}$   
 $\theta = 22.6^\circ$



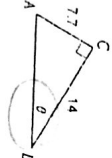
$\tan \theta = \frac{4}{13}$   
 $\theta = 17.1^\circ$



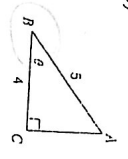
$\cos \theta = \frac{6}{9}$   
 $\theta = 48.2^\circ$



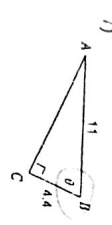
$\tan \theta = \frac{10}{11.9}$   
 $\theta = 50.0^\circ$



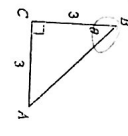
$\tan \theta = \frac{14}{17.7}$   
 $\theta = 28.8^\circ$



$\cos \theta = \frac{4}{5}$   
 $\theta = 36.9^\circ$

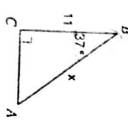


$\cos \theta = \frac{4.4}{11}$   
 $\theta = 66.4^\circ$

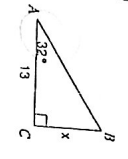


$\tan \theta = \frac{3}{4}$   
 $\theta = 36.9^\circ$

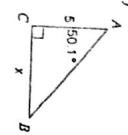
Find the measure of each side indicated. Round to the nearest tenth.



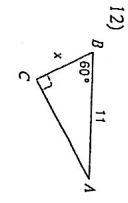
$\cos 37^\circ = \frac{11}{x}$   
 $x = \frac{11}{\cos 37^\circ}$   
 $x = 13.8$



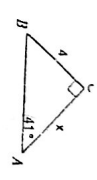
$\tan 32^\circ = \frac{13}{x}$   
 $13 \tan 32^\circ = x$   
 $x = 8.1$



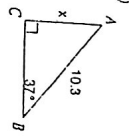
$\tan 50.1^\circ = \frac{5}{x}$   
 $5 \tan 50.1^\circ = x$   
 $x = 6.0$



$\cos 60^\circ = \frac{11}{x}$   
 $11 \cos 60^\circ = x$   
 $x = 5.5$

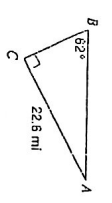


$\tan 41^\circ = \frac{4}{x}$   
 $x = \frac{4}{\tan 41^\circ}$   
 $x = 4.6$

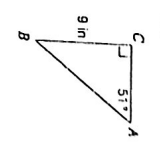


$\sin 37^\circ = \frac{10.3}{x}$   
 $10.3 \sin 37^\circ = x$   
 $x = 6.2$

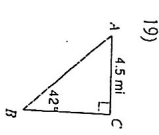
Solve each triangle. Round answers to the nearest tenth.



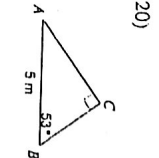
$\sin 63^\circ = \frac{22.6}{x}$   
 $x = \frac{22.6}{\sin 63^\circ}$   
 $x = 25.6$



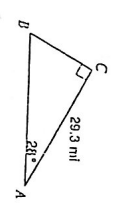
$\sin 57^\circ = \frac{9}{x}$   
 $x = \frac{9}{\sin 57^\circ}$   
 $x = 10.8$



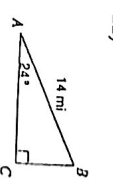
$\sin 42^\circ = \frac{4.5}{x}$   
 $x = \frac{4.5}{\sin 42^\circ}$   
 $x = 6.7$



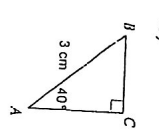
$\sin 53^\circ = \frac{5}{x}$   
 $x = \frac{5}{\sin 53^\circ}$   
 $x = 6.2$



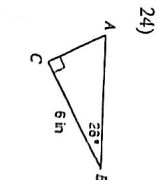
$\sin 21^\circ = \frac{29.3}{x}$   
 $x = \frac{29.3}{\sin 21^\circ}$   
 $x = 81.1$



$\sin 24^\circ = \frac{14}{x}$   
 $x = \frac{14}{\sin 24^\circ}$   
 $x = 34.1$



$\sin 40^\circ = \frac{3}{x}$   
 $x = \frac{3}{\sin 40^\circ}$   
 $x = 4.7$



$\sin 23^\circ = \frac{6}{x}$   
 $x = \frac{6}{\sin 23^\circ}$   
 $x = 15.2$