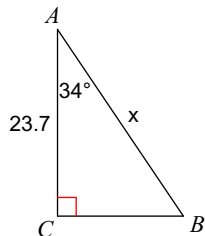


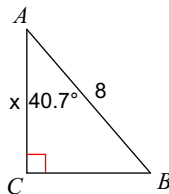
8.2 Solving a Triangle

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

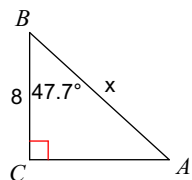
1)



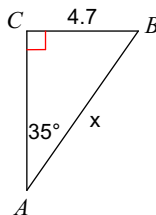
2)



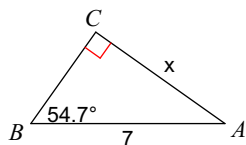
3)



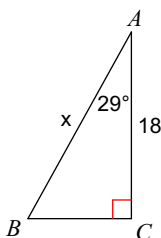
4)



5)

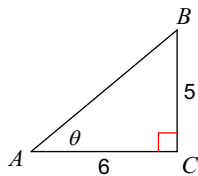


6)

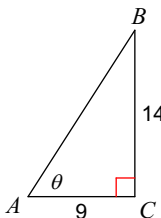


Find the measure of each angle indicated. Round to the nearest tenth.

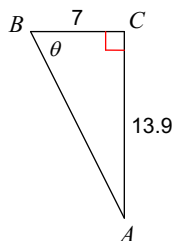
7)



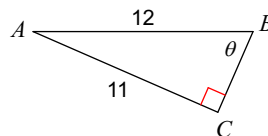
8)

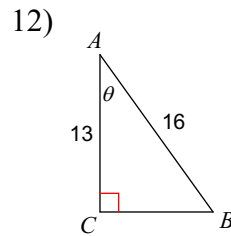
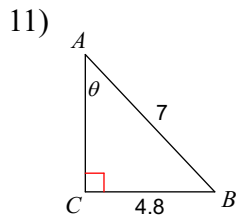


9)

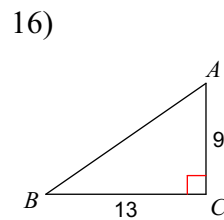
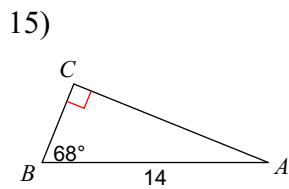
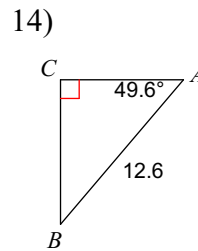
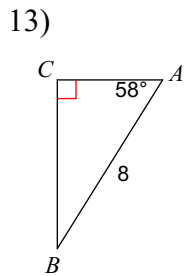


10)





Solve each triangle. Round answers to the nearest tenth. (All missing angles and all missing sides)



Solve each system.

17) $y = -\frac{5}{3}x - 1$
 $y = -\frac{1}{3}x + 3$

18) $y = \frac{1}{4}x + 3$
 $y = 2x - 4$

19) $4a - 6b - 5c = -6$
 $-2a + 3b - 3c = 14$
 $-2a - 3b + 6c = -4$

20) $2x + 5y - z = -23$
 $-6x - 5y + 6z = 20$
 $-6x + 2y - 3z = 19$