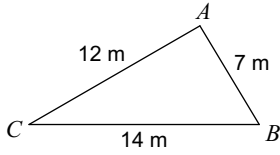


Law of Cosines Worksheet

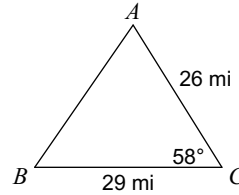
Date _____ Period _____

Solve each triangle. Round your answers to the nearest tenth.

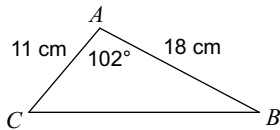
1)



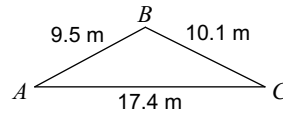
2)



3)



4)



5) $b = 29\text{ mi}$, $m\angle A = 75^\circ$, $c = 23\text{ mi}$

6) $a = 15\text{ cm}$, $c = 28\text{ cm}$, $b = 17\text{ cm}$

7) $a = 24\text{ mi}$, $c = 26\text{ mi}$, $b = 17\text{ mi}$

8) $c = 30\text{ mi}$, $b = 26\text{ mi}$, $a = 9\text{ mi}$

9) $c = 14\text{ yd}$, $b = 7\text{ yd}$, $a = 12\text{ yd}$

10) $c = 26\text{ cm}$, $m\angle A = 109^\circ$, $b = 28\text{ cm}$

11) $a = 21\text{ yd}$, $c = 13\text{ yd}$, $b = 29\text{ yd}$

12) $a = 24\text{ km}$, $m\angle B = 134^\circ$, $c = 26\text{ km}$