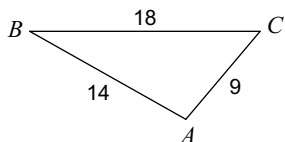


Unit 9 Assignment 3: Law of Cosines

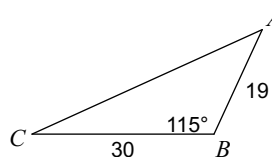
Date _____ Period _____

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

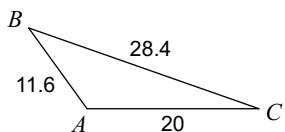
1)



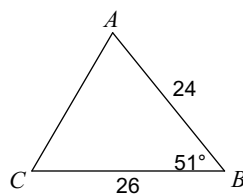
2)



3)



4)



5) $c = 29$, $b = 17$, $a = 27$

6) $c = 28$, $b = 18$, $a = 12$

7) $c = 7$, $b = 12$, $a = 6$

8) $c = 7$, $a = 16$, $m\angle B = 127^\circ$

9) $c = 9.8$, $m\angle B = 74.8^\circ$, $a = 17.3$

10) $c = 28$, $b = 14$, $a = 17$

11) $a = 15$, $m\angle C = 103^\circ$, $b = 14$

12) $m\angle C = 88.1^\circ$, $a = 22$, $b = 23$