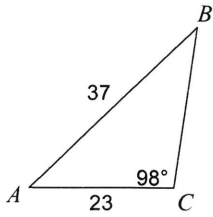


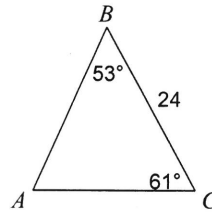
Law of Sines and Cosines

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

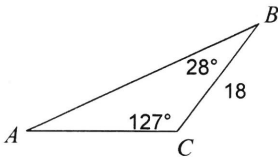
1)



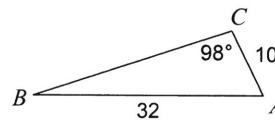
2)



3)



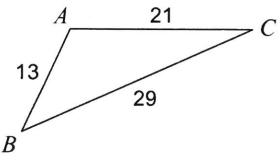
4)



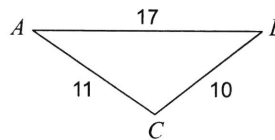
5) $m\angle B = 65^\circ$, $m\angle C = 15^\circ$, $b = 35$

6) $m\angle C = 130^\circ$, $m\angle B = 21^\circ$, $b = 14$

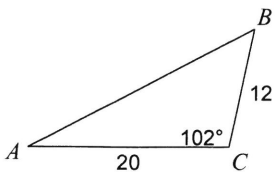
7)



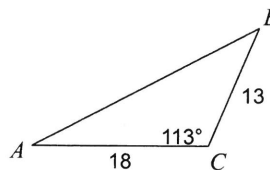
8)



9)



10)



11) $c = 10$, $b = 11$, $a = 17$

12) $b = 22.2$, $a = 20.1$, $c = 23.5$

Answers to Law of Sines and Cosines (ID: 1)

1) $m\angle A = 44^\circ, m\angle B = 38^\circ, a = 26$

2) $m\angle A = 66^\circ, b = 21, c = 23$

3) $m\angle A = 25^\circ, b = 20, c = 34$

4) $m\angle A = 64^\circ, m\angle B = 18^\circ, a = 29$

5) $m\angle A = 100^\circ, c = 10, a = 38$

6) $m\angle A = 29^\circ, c = 29.9, a = 18.9$

7) $m\angle B = 41^\circ, m\angle C = 24^\circ, m\angle A = 115^\circ$

8) $m\angle A = 34^\circ, m\angle B = 38^\circ, m\angle C = 108^\circ$

9) $m\angle A = 27.6^\circ, m\angle B = 50.4^\circ, c = 25.4$

10) $m\angle A = 27.4^\circ, m\angle B = 39.6^\circ, c = 26$

11) $m\angle C = 34^\circ, m\angle A = 108^\circ, m\angle B = 38^\circ$

12) $m\angle B = 60.6^\circ, m\angle C = 67.3^\circ, m\angle A = 52.1^\circ$