

Use the Law of Sines or Cosines to solve the triangle. Draw and label a picture. Round angles to the nearest tenth of a degree, sides to the nearest hundredths place.

1. $m\angle A = 110^\circ, b = 6, a = 10$

3. $m\angle B = 52^\circ, a = 17.3, b = 22.7$

5. $a = 10 \text{ cm}, b = 12 \text{ cm}, m\angle C = 48^\circ$

7. $m\angle A = 44^\circ, b = 14, a = 11$

9. $m\angle A = 67^\circ, b = 16, a = 13$

11. $m\angle A = 43^\circ, m\angle C = 24^\circ, b = 30.5$

13. $a = 13.5 \text{ cm}, b = 4.9 \text{ cm}, c = 10.2 \text{ cm}$

2. $a = 10.4 \text{ cm}, b = 3.1 \text{ cm}, c = 9.7 \text{ cm}$

4. $m\angle A = 115^\circ, m\angle B = 33^\circ, c = 24.5$

6. $m\angle A = 30^\circ, b = 50, a = 25$

8. $a = 11.6 \text{ cm}, c = 15.0 \text{ cm}, m\angle B = 115^\circ$

10. $m\angle A = 48^\circ, b = 35, a = 27$

12. $m\angle C = 75^\circ, b = 12.4, c = 15.8$

14. $m\angle A = 39^\circ, b = 28, a = 13$