

Law of Cosines

Solving Triangles

If a solution exists, solve the triangle. Round angle measures to the nearest minute and side measures to the nearest tenth.

1. $a = 1.5, b = 2.3, c = 1.9$

2. $b = 40, c = 45, A = 51^\circ$

3. $A = 52^\circ, b = 120, c = 160$

4. $a = 15, b = 18, c = 17$

5. $A = 42^\circ, b = 120, c = 120$

6. $a = 15, b = 18, c = 20$

7. $b = 12, a = 20, c = 28$

8. $a = 12.5, b = 15.1, c = 10.3$

9. $c = 49, b = 40, A = 53^\circ$

10. $a = 10, c = 8, B = 100^\circ$