

## Law of Sines

### Solving Triangles

Determine the number of possible solutions. If a solution exists, solve the triangle. Round angle measures to the nearest minute and side measures to the nearest tenth.

1.  $a = 13.7, A = 25^\circ 26', B = 78^\circ$

2.  $b = 50, a = 33, A = 132^\circ$

3.  $A = 38^\circ, B = 63^\circ, c = 15$

4.  $a = 125, A = 25^\circ, b = 150$

5.  $b = 15.2, A = 12^\circ 30', C = 57^\circ 30'$

6.  $a = 32, c = 20, A = 112^\circ$

7.  $b = 795.1, c = 775.6, B = 51^\circ 51'$

8.  $b = 15, c = 13, C = 50^\circ$

9.  $a = 12, b = 15, A = 55^\circ$

10.  $b = 41, A = 33^\circ, B = 29^\circ$