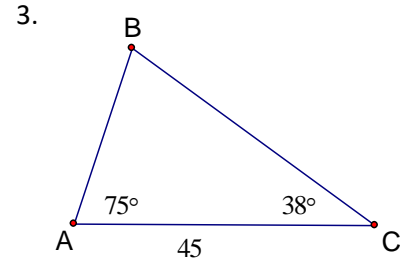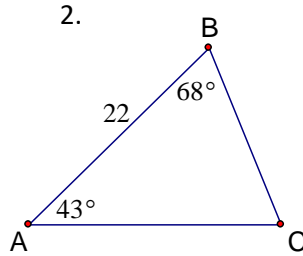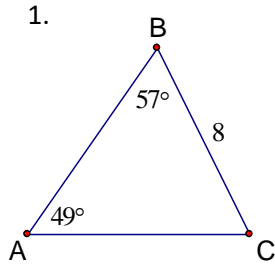<u>   Worksheet: Law of Sines   </u>

Solve using the Law of Sines. Round sides and angles to the nearest tenth. (Triangles not drawn to scale.)

1.

2.

3.

Sketch each triangle and then solve the triangle using the Law of Sines.

4. $A = 50°$, $B = 68°$, and $c = 230$.

5. $A = 23°$, $B = 110°$, and $c = 50$.

6. $A = 30°$, $C = 65°$, and $b = 10$.

7. $A = 22°$, $B = 95°$, and $a = 420$.

8. $B = 29°$, $C = 51°$, and $b = 44$.

9. $B = 10°$, $C = 100°$, and $c = 115$.

10. The longest side of a triangle measures 67 cm and two of the angles measure 47° and 55°. Solve the triangle.

Find the area of ▲*ABC* to the nearest tenth of a square unit.

11. $b = 5in., c = 8in., A = 45°$

12. $a = 10 ft., c = 12 ft., B = 30°$

13. $a = 9in., b = 11in., C = 60°$

14. $b = 7cm, c = 10cm, A = 45°$