Solve for the required measure of the triangle, if possible. Round angle measures and side measures to the nearest hundredth.

1. Given a triangle with A = 41°, B = 72°, and a = 15, find c.
2. Given a triangle with a = 17, b = 39, and c = 50, find A.
3. Given a triangle with B = 61°, c = 18, and b = 17, find A.
4. Given a triangle with B = 81°, a = 15, and c = 72, find b.
5. Given a triangle with a = 72, b = 51, and A = 27°, find the area.
6. Given a triangle with a = 16, b = 37, and c = 32, find the area.

**Find the AREA of each triangle to the nearest hundredth.**

1. c = 3.58, A = 37.67°, B = 69.33°
2. a = 6, b = 12, c = 13
3. C = 85°, a = 2, B = 19°
4. b = 14, C = 110°, B = 25°
5. a = 68, c = 110, C = 100°

Word Problems:











