Law of Sines, Law of Cosines, Area of Triangle Name:_____
Geometry A Review Block:_____

Rounding: Sides to the nearest tenth and angles to the nearest degree.

Determine the number of Triangles

1.) A = 45° b = 6 C = 25° _____

2.) A = 30° b = 20 a = 15 _____

3.) a = 7 b = 6 A = 75° _____

4.) a = 9 b = 11 A = 25° _____

5.) a = 10 b = 15 A = 76° _____

Use Law of Sines.

6.) Find C. B = 70°, b = 15 , c = 10

7.) Find c. B = 10°, b = 16, C = 70°

Use Law of Cosines.

8.) Find A. a = 25, b = 40, c = 20

9.) Find c. C = 55° b = 12 a = 16

Solve each triangle: Draw a sketch, set up equation(s) used, and find all missing parts. Round all answers to the nearest tenth. Work neatly. If I cannot follow the work the problem is wrong.

10.) C = 70, b = 8, a = 9

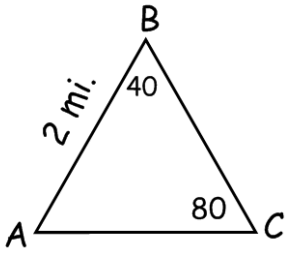
11.) A = 100˚, C = 30˚, a = 20

12.) a = 8, b = 10, c = 12

Solve for BOTH triangles.

13.) A = 35, a = 7, b = 9

14.) Abby, Brittani, and Carly are three friends. The locations of their houses form a triangle. Abby lives 2 miles from Brittani. Use the triangle below to find how far Abby and Carly live apart.



Find the area of each triangle: Round to nearest tenth.

15.) C =102˚, b = 52, a = 90

16.) a = 9, b = 6, c = 13