Pre-Calc Unit 6 Quiz 1

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_\_\_

*Level 2: Identify the missing side(s) and/or angle(s).*

1. The given triangle has side a = 20 feet,   
   b = 12 feet, and angle A = 58 degrees.
2. Find the area of the triangle from problem 1.

*Level 3: Identify the missing side(s) and/or angle(s).*

1. The given triangle has side a = 8 inches,   
   b = 18 inches and c = 11 inches.
2. The given triangle has side a = 14 meter,   
   b = 20 meter and angle C = 41 degrees.

*Level 4 Solve the following.*

1. A parking lot is the shape of a parallelogram. The lengths of adjacent sides are 90 meters and 120 meters. The angle between the two sides is 75 degrees. What is the area of the parking lot?