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 = 24 feet,   
   b = 14 feet, and angle A = 62 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 = 10 inches,   
   b = 20 inches and c = 15 inches.
2. The given triangle has side a = 16 meter,   
   b = 21 meter and angle C = 34 degrees.

*Level 4 Solve the following.*

1. A parking lot is the shape of a parallelogram. The lengths of adjacent sides are 70 meters and 100 meters. The angle between the two sides is 65 degrees. What is the area of the parking lot?