EXTRA REVIEW - 14.3-14.5

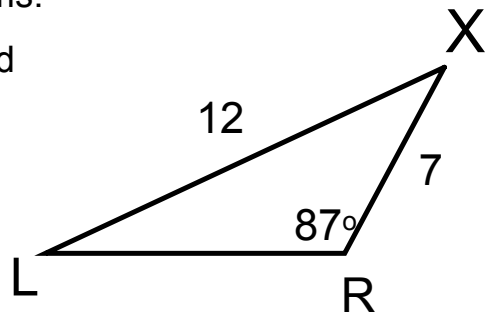
You may use a calculator on these problems.

1. Solve the △ABC where ∠C is right and

a. ∠A = 35°
c = 12

b. a = 5
b = 10

2) Find all angles and sides. Then find the area.



3. A sparrow is perched on a building. It is 122 feet above the ground. It looks down at a squirrel at an angle of depression of 35°. How far apart are the squirrel and the sparrow?

4. You are parasailing and you are 500 feet above the water. If a dolphin is swimming directly beneath you and is 600 feet from the back of the boat, what is the angle of elevation from the boat to you?

5) Find all the angles of a triangle with sides 5, 8, 12

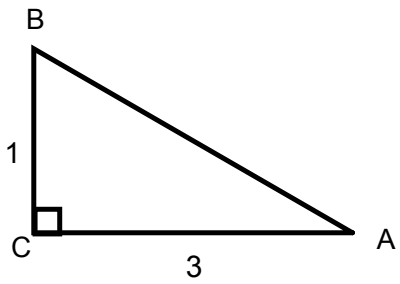
6) Jamail and Sondra are standing at a 50 ft flagpole. They walk away from each other and when they stop, Jamail estimates the angle of elevation to the top of the flagpole to be 27° and Sondra estimates the angle of elevation from her position to be 42°. How far apart are Jamail and Sondra standing?

7) NON CALC

sin A **sec B**

cos B **csc A**

cot A **tan B**



8) In a rt triangle with <C = 90° and sin A = 12/13. Find all the trig functions of <B