Activity Lab 7-3

Without measuring, predict the measure of the third angle of each triangle. Use a protractor to check your predictions.

1. a. Draw a triangle with one 45° angle and one 35° angle.
   b. Classify the triangle by its angle measures.
   c. Classify the triangle by its sides. Use tick marks to indicate congruent sides.

2. a. Draw a triangle with one 50° angle and one 20° angle.
   b. Classify the triangle by its angle measures.
   c. Classify the triangle by its sides. Use tick marks to indicate congruent sides.

3. a. Draw a triangle with one 70° angle and one 40° angle.
   b. Classify the triangle by its angle measures.
   c. Classify the triangle by its sides. Use tick marks to indicate congruent sides.

4. a. Draw a triangle with one 52° angle and one 38° angle.
   b. Classify the triangle by its angle measures.
   c. Classify the triangle by its sides. Use tick marks to indicate congruent sides.

5. a. Draw a triangle with two 60° angles.
   b. Classify the triangle by its angle measures.
   c. Classify the triangle by its sides. Use tick marks to indicate congruent sides.