Name _____   Date _____

Geometric Shapes with Given Conditions - Guided Lesson

Complete the following problems:

1) Will the lengths of all three sides of each example below create a triangle?
Explain how you know which will work.
Possibilities to examine are:

a. 4 cm, 6 cm, and 12 cm
b. 5 cm, 4cm, and 2 cm
c. 8 cm, 6 cm, 14 cm

2) Draw an isosceles triangle with only one 70°angle.

3) Draw a quadrilateral with 4 equal sides and the measure of each interior angle is 90 degrees?