Geometry Concepts Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 3-1



Part 1- Multiple Choice (Draw the figures if you need a visual)

1. A triangle that has one angle greater than 90°.

a. Acute b. Obtuse c. Equiangular d. Right

2. A triangle with no equal sides.

a. Right b. Isosceles c. Scalene d. Equilateral

3. The sum of the interior angles of a triangle.

a. 360° b. 270° c. 180° d. 90°

4. The measure of each angle of an equiangular triangle is:

a. 60° b. 30° c. 90° d. 3000°

Part 2 - True or False

4. All parallelograms can be divided in half to create two triangles. \_\_\_\_\_\_\_\_\_\_\_

5. A triangle that is equilateral is also equiangular. \_\_\_\_\_\_\_\_\_\_\_

6. All triangles can be classified according to their sides and their angles. \_\_\_\_\_\_\_\_\_

7. The three lengths, 5, 8, and 16 can form a triangle. \_\_\_\_\_\_\_\_\_\_

Part 3 – Party time

Draw **and label** each triangle below. (2 pts each)

8. Right scalene 9. Acute isosceles

Bonus 1. If a square is cut in half to form two equal triangles, what is the measure of each angle inside the triangles?

Bonus 2. Find the area of the triangle below

