**Chapter 4 “I Can” Statements (with some of 5.2 & 5.4)**

You can use these statements as a study guide. You should focus your study time on the items where you circled “not sure.” Studying for math includes reviewing notes *and* trying additional problems. (Remember that the answers to odd problems are in the back of the book. Don’t forget that there is also a practice chapter 4 test online at the textbook’s website: <http://www.geometryonline.com>.)

Circle one Statement

Yes or Not Sure I can classify a triangle by its angles (acute, right, obtuse) using a corner of a sheet of paper for comparison.

Yes or Not Sure I can classify a triangle by its sides (scalene, isosceles, equilateral) using a side of a sheet of paper to measure with.

Yes or Not Sure I can name a triangle using a triangle symbol and three vertices.

Yes or Not Sure I can use the distance formula to classify a triangle when the vertices are given as ordered pairs.

Yes or Not Sure I can draw and label triangle diagrams and use them to help set up and solve equations.

Yes or Not Sure I can find a missing angle in a triangle if I already know the other 2 angles.

Yes or Not Sure I can identify an exterior angle of a triangle in a diagram (or draw one if there isn’t one).

Yes or Not Sure I can find the measure of an exterior angle using the measures of the interior angles.

Yes or Not Sure I can use linear pairs, vertical angles, and what I’ve learned about interior and exterior angles of triangles to find several angles in a complicated diagram containing many triangles.

Yes or Not Sure I can identify congruent triangles, naming the corner points in the same order both times.

Yes or Not Sure I can identify the matching angles and matching sides of congruent triangles.

Yes or Not Sure I can use a diagram of 2 congruent triangles to name the correct congruence transformation.

Yes or Not Sure I can name all 4 methods for proving that triangles are congruent.

Yes or Not Sure I can prove that two triangles are congruent in a 2-column format or using a flow proof.

Yes or Not Sure I can use the fact that two triangles are congruent to prove that their matching parts are also congruent.

Yes or Not Sure I can decide whether 2 triangles are congruent if I am given the coordinates of their vertices.

Yes or Not Sure I can identify the base angles and the vertex angle of an isosceles triangle.

Yes or Not Sure I can find both of the other angles of an isosceles triangle if I am given only one angle.

Yes or Not Sure I can explain why equilateral triangles must also be equiangular.

Yes or Not Sure I can use the lengths of the sides of a triangle to compare the measures of its angles.

Yes or Not Sure I can use the measures of the angles of a triangle to compare the lengths of its sides.

Yes or Not Sure I can determine whether 3 given lengths could form the sides of a triangle.

Yes or Not Sure I can find the range of possible values for the third side of a triangle given the other 2 sides.