**Chapter 8 & 11 “I Can” Statements (sections 8.1-8.6 and 11.1, 11.2, & 11.4)**

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 are practice tests for these chapters and practice quizzes for each section at the textbook’s website: <http://www.geometryonline.com>.)

Circle one Statement

Yes or Not Sure I can find the sum of the interior angles of a convex polygon given the number of sides.

Yes or Not Sure I can find each interior angle of a regular polygon given the number of sides.

Yes or Not Sure I can find each exterior angle of a regular polygon given the number of sides.

Yes or Not Sure I can set up and solve equations to find missing angles of polygons.

Yes or Not Sure I can find the number of sides of a regular polygon given an interior (or exterior) angle.

Yes or Not Sure I can state the sum of the exterior angles of any convex polygon and use it to solve problems.

Yes or Not Sure I can use the properties of a parallelogram’s sides, angles, and diagonals to solve problems.

Yes or Not Sure I can use distance, slope, or midpoint formulas to prove that a quadrilateral is a parallelogram.

Yes or Not Sure I can explain the relationships between parallelograms, rectangles, rhombi, and squares.

Yes or Not Sure I can state the properties of the sides, angles, and diagonals of rectangles and rhombi.

Yes or Not Sure I can use the properties of rectangles and rhombi to set up equations and solve problems.

Yes or Not Sure I can use the distance formula and/or the slope formula to determine whether a parallelogram is a rectangle, rhombus, or square.

Yes or Not Sure I can state the properties of sides, angles, and diagonals of trapezoids and isosceles trapezoids.

Yes or Not Sure I can use the properties of trapezoids/isos. trapezoids to set up equations and solve problems.

Yes or Not Sure I can use formulas (slope, distance, midpoint) to determine whether 4 points make a parallelogram, rectangle, rhombus, square, trapezoid, or isosceles trapezoid, and I can choose the most specific answer.

Yes or Not Sure I can state the formulas that are used to find the area of rectangles, parallelograms, triangles, rhombi, and trapezoids.

Yes or Not Sure I can state the formulas for the area of a circle and the circumference of a circle.

Yes or Not Sure I can use the area formulas correctly and provide a label in square units.

Yes or Not Sure I can use area formulas to find the area of composite (irregular) figures.

Yes or Not Sure I can (still) find any side of a 45-45-90 triangle given any one side.

Yes or Not Sure I can (still) find any side of a 30-60-90 triangle given any one side.