**Study Guide Chapter 10 sections 1-9**

**Page 328-329**

Number of sides and angles for:

Triangle

Quadrilateral

Pentagon

Hexagon

Heptagon

Octagon

Nonagon

Decagon

**Page 324-327**

Angles: measure and type

Right, straight, obtuse, acute

**Page 332-33**

Triangles: **Sum of angle measure** = 180 degrees

 A triangle is classified by **both** side and angle

 Classify by side: equilateral, isosceles, scalene

 Classify by angle: obtuse, right and acute

**Page 330-331**

Difference between congruent and similar figures.

 Identify corresponding congruent corresponding angles

**Page 334-335**

Quadrilaterals

 Definitions of trapezoid, parallelogram, rectangle, square, rhombus

 Diagonal – definition and how to determine number of diagonals.

 **Sum of the angles** = 360 degrees.

**Page 336-337**

Perimeter formulas for regular polygons

P= number of sides by side measurement

Formula for square: P = 4 x s

Formula for rectangle: (2 x length) + (2 x width)

Formula for irregular polygon: P = s + s + s + ….

**Page 338-339**

Know definition for circle, chord, diameter, radius and how to identify

**Page 340-341**

Know formulas for circumference

C = 3.14 x diameter of C = 3.14 x 2 x radius

C = $\frac{22}{7}$ x diameter C = $\frac{22}{7}$ x 2 x radius