**Geometry Chapter 3 Study Guide**

**1.** What are the two requirements for lines to be parallel? What makes planes parallel?

**2.** What are the three requirements for skew lines?

**3.** What are the 4 special angle pair relationships that are created by parallel lines and a transversal? Which ones are congruent and which one is supplementary? Draw an example of parallel lines and a transversal labeling each special angle pair.

**4.** What type of angle is created by perpendicular lines? What is its measure?

**5.** What does the measure of all the angles inside of a triangle add up to?

**6.** What is the relationship between the exterior angle of a triangle and its two corresponding remote interior angles? Write the equation and describe.

**7.** What is the process for graphing in slope-intercept form?

**8.** What is the equation for point-slope form?

**9.** What is the equation for finding the slope if given two points?

**10.** How do we determine if two lines are parallel in the coordinate plane? How do we determine if they are perpendicular?