**Geometry Chapter 12 Study Guide**

**1.** What is a tangent line? Draw an example.

**2.** What happens when a tangent line meets a radius or diameter? Draw an example.

**3.** What is a chord? Draw an example.

**4.** What famous theorem can be used with right triangles to find a missing side?

**5.** What is an inscribed angle? What is the intercepted arc of an inscribed angle? Draw an example.

**6.** What is the relationship between an inscribed angle and its intercepted arc? Draw an example.

**7.** What is the relationship between an angle formed by a tangent and a chord and its corresponding intercepted arc? Draw an example.

**8.** What is a secant? Draw an example.

**9.** When secants intersect inside of a circle, what is the equation to find the measure of the angle formed? Draw an example.

**10.** When secants intersect outside of a circle, what is the equation to find the measure of the angle formed? Draw an example.

**11.** Draw the three circles and formulas learned at the end of section 12.4.