

# GEOMETRY LESSON 11-6

**Theorem 11-8:** If a circle has an area of  $A$  units and a radius of  $r$  units, then  $A = \pi r^2$ .

**Sector:** A region of a circle bounded by a central angle and its corresponding arc (a piece of pizza).

**Theorem 11-9:** If a sector of a circle has an area of  $A$  square units, a central angle measurement of  $N$  degrees, and a radius of  $r$  units, then  $A = \frac{N}{360} \pi r^2$ .