Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework #101 – Perimeter and Area of Polygons

**Directions:** Find the area and perimeter of the following figures by using an equation and solving algebraically.

1)  Perimeter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Area = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Perimeter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Area = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



3) Perimeter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Area = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions:** Find the area of the following figures by using an equation and solving algebraically.



4) 5)

**Directions:** Find the missing side of the following figures by using an equation and solving algebraically.



6) 7)

**Directions:** Find the perimeter of the following figures by using the properties illustrated. Make sure to state an equation and solve algebraically.

8) 9)