

## Algebra 0507

## Chapter 1

## Intro to WS # 9

Name \_\_\_\_\_

Use the given formula to find the value for the variable.

1. Find the value for A in the formula:  $A = s^2$  if  $s = 14$  Area of Square

$$A = 14^2$$

$$A = 196$$

2. Find the value for T in the formula:  $T = 6s^2$  if  $s = 3$  Surface Area of Cube

$$T = 6(3)^2$$

$$T = 6(9)$$

$$T = 54$$

3. Find the value for A in the formula:  $A = \frac{1}{2}h(a+b)$  if  $h = 10$ ,  $a = 15$ ,  $b = 8$

$$A = \frac{1}{2}(10)(15+8)$$

$$A = \frac{1}{2}(10)(23)$$

$$A = 5(23)$$

$$A = 115$$
Area of Trapezoid

4. Find the value for P in the formula:  $P = 2l + 2w$  if  $l = 10$ ,  $w = 4$

$$P = 2(10) + 2(4)$$

$$P = 20 + 2(4)$$

$$P = 20 + 8$$

$$P = 28$$
Perimeter of Rect.