

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

## Rearranging Formulas

1)  $A = \frac{a+b}{2}$ ; solve for b

$$2A = a+b$$

$$2A - a = b$$

3)  $P = 2(l+w)$ ; solve for l

$$\frac{P}{2} = l+w$$

$$\frac{P}{2} - w = l$$

5)  $F = \frac{rt}{d}$ ; solve for r

$$Fd = rt$$

$$\frac{Fd}{t} = r$$

7)  $ax + bx = c$ ; solve for x

$$x(a+b) = c$$

$$x = \frac{c}{a+b}$$

9)  $5t - 2r = 25$ ; solve for t

$$5t = 2r + 25$$

$$t = \frac{2}{5}r + 5$$

2)  $V = \frac{lwh}{lh}$ ; solve for w

$$\frac{V}{lh} = w$$

4)  $D = \frac{11}{5}(P-15)$ ; solve for P

$$\frac{5}{11}D = P-15$$

$$\frac{5}{11}D + 15 = P$$

6)  $K = \frac{1}{2}mv^2$ ; solve for m

$$2K = mv^2$$

$$\frac{2K}{v^2} = m$$

8)  $\frac{12ds}{w} = CD$ ; solve for w

$$12ds = CDw$$

$$\frac{12ds}{CD} = w$$

10)  $V = \frac{1}{3}\pi h^2(r-3h)$ ; Solve for r

$$3V = \pi h^2(r-3h)$$

$$\frac{3V}{\pi h^2} = r-3h$$

$$\frac{3V}{\pi h^2} + 3h = r$$