

NAME \_\_\_\_\_

DATE \_\_\_\_\_

LITERAL EQUATIONS: Worksheet 2

Solve each equation for the given variable.

1)  $A = \frac{1}{2}bh; b$

2)  $3a - b = c; a$

3)  $6x + 12y = 18; x$

4)  $V = \pi r^2h; h$

5)  $-x - 3y = 8; x$

6)  $2a + 6 = 2c; a$

7)  $8(a + 2y) = 8; a$

8)  $m = \frac{a - b + c}{3}; c$

9)  $C = 2\pi r; r$

10)  $c^2 - b^2 = a^2; c$

KEY

LITERAL EQUATIONS: Worksheet 2

Solve each equation for the given variable.

1)  $A = \frac{1}{2}bh; b$

$$b = \frac{2A}{h}$$

2)  $3a - b = c; a$

$$a = \frac{b+c}{3}$$

3)  $6x + 12y = 18; x$

$$x = -2y + 3$$

4)  $V = \pi r^2 h; h$

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

5)  $-x - 3y = 8; x$

$$x = -3y - 8$$

6)  $2a + 6 = 2c; a$

$$a = c - 3$$

7)  $8(a + 2y) = 8; a$

$$a = -2y + 1$$

8)  $m = \frac{a - b + c}{3}; c$

$$c = 3m - a + b$$

9)  $C = 2\pi r; r$

$$r = \frac{C}{2\pi}$$

10)  $c^2 - b^2 = a^2; c$

$$c = \sqrt{a^2 + b^2}$$