

NAME _____

DATE _____

LITERAL EQUATIONS: Worksheet 1

Solve each equation for the given variable.

1) $V = lwh; w$

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

3) $4x + 2y = 10; y$

4) $A = \pi r^2; r$

5) $-x + a = 8; a$

6) $3a + 3b = 6c; b$

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

8) $m = \frac{a+b+c}{5}; a$

9) $\pi = \frac{C}{d}; C$

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

KEY

LITERAL EQUATIONS: Worksheet 1

Solve each equation for the given variable.

1) $V = lwh; w$
 $w = \frac{V}{lh}$

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

3) $4x + 2y = 10; y$
 $y = 5 - 2x$

4) $A = \pi r^2; r$
 $r = \sqrt{\frac{A}{\pi}}$

5) $-x + a = 8; a$
 $a = x + 8$

6) $3a + 3b = 6c; b$
 $b = 2c - a$

7) $8(y + 2) = a; y$
 $y = \frac{1}{8}a - 2$

8) $m = \frac{a + b + c}{5}; a$
 $a = 5m - b - c$

9) $\pi = \frac{C}{d}; C$
 $C = \pi d$

10) $a^2 + b^2 = c^2; a$
 $a = \sqrt{c^2 - b^2}$