

LITERAL EQUATIONS WORKSHEET

Solve for the indicated variable in the parenthesis.

1) $P = IRT$ (T)

2) $A = 2(L + W)$ (W)

3) $y = 5x - 6$ (x)

4) $2x - 3y = 8$ (y)

5) $\frac{x+y}{3} = 5$ (x)

6) $y = mx + b$ (b)

7) $ax + by = c$ (y)

8) $A = 1/2h(b + c)$ (b)

9) $V = LWH$ (L)

10) $A = 4\pi r^2$ (r^2)

11) $V = \pi r^2 h$ (h)

12) $7x - y = 14$ (x)

13) $A = \frac{x+y}{2}$ (y)

14) $R = \frac{E}{I}$ (I)

15) $x = \frac{yz}{6}$ (z)

16) $A = \frac{r}{2L}$ (L)

17) $A = \frac{a+b+c}{3}$ (b)

18) $12x - 4y = 20$ (y)

19) $x = \frac{2y-z}{4}$ (z)

20) $P = \frac{R-C}{N}$ (R)

SOLUTIONS BELOW

Answer Key

If you find an error, please contact Anna Fisher at Anna.Fisher@Bloomfield.edu. Please include the following information: worksheet title and the problem number.

$$1) T = \frac{P}{IR} \quad 2) W = \frac{A-2L}{2} \quad 3) x = \frac{y+6}{5} \quad 4) y = \frac{8-2x}{-3}$$

$$5) x = 15 - y \quad 6) b = y - mx \quad 7) y = \frac{c-ax}{b} \quad 8) b = \frac{2A}{h} - c$$

$$9) L = \frac{V}{WH} \quad 10) r^2 = \frac{A}{4\pi} \quad 11) h = \frac{V}{\pi r^2} \quad 12) x = \frac{14+y}{7}$$

$$13) y = 2A - x \quad 14) I = \frac{E}{R} \quad 15) z = \frac{6x}{y} \quad 16) L = \frac{r}{2A}$$

$$17) b = 3A - a - c \quad 18) y = 3x - 5 \quad 19) z = 2y - 4x \quad 20) R = PN + C$$