

# LITERAL EQUATIONS WORKSHEET

Solve for the indicated variable in the parenthesis ON A SEPARATE SHEET OF PAPER!

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)  $A = h(b + c)$  (b)

9)  $V = LWH$  (L)

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

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)

## Answer Key

$$1) T = \frac{P}{IR}$$

$$2) W = \frac{A-2L}{2}$$

$$3) x = \frac{y+6}{5}$$

$$4) y = \frac{8-2x}{-3}$$

$$5) x = 15 - y$$

$$6) b = y - mx$$

$$7) y = \frac{c-ax}{b}$$

$$8) \frac{A}{h} - c = b$$

$$9) L = \frac{V}{WH}$$

$$10) r^2 = \frac{A}{4\pi}$$

$$11) h = \frac{V}{\pi r^2}$$

$$12) x = \frac{14+y}{7}$$

$$13) y = 2A - x$$

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

$$15) z = \frac{6x}{y}$$

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

$$17) b = 3A - a - c$$

$$18) y = 3x - 5$$

$$19) z = 2y - 4x$$

$$20) R = PN + C$$