

## Corrective Assignment 1.4

Solve for the indicated variable in the parenthesis. Show all of your work!

1.  $P = Irt$  ( $r$ )

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

3.  $P = 2(L + W)$  ( $L$ )

4.  $A = \pi r^2$  ( $r$ )  
Hint: square root!

5.  $V = \pi r^2 h$  ( $r$ )

6.  $R = \frac{E}{I}$  ( $E$ )

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

8.  $V = LWH$  ( $W$ )

9.  $D = RT$  ( $R$ )

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

11.  $\frac{x+z-w}{R} = 1$  ( $w$ )

12.  $4x - 3y - 8 = 0$  ( $y$ )

## Corrective Assignment 1.4

Solve for the indicated variable in the parenthesis. Show all of your work!

1.  $P = Irt$  ( $r$ )

$$\frac{P}{It} = r$$

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

$$y = 4x - 2$$
~~$$y = 4x - 2$$~~

$$x = (2y + 4)/8$$

3.  $P = 2(L + W)$  ( $L$ )

$$P = 2L + 2W$$

$$\frac{P - 2W}{2} = L$$

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

Hint: square root!

$$r = \sqrt{\frac{A}{\pi}}$$

5.  $V = \pi r^2 h$  ( $r$ )

$$\sqrt{\frac{V}{\pi h}} = r$$

6.  $R = \frac{E}{I}$  ( $E$ )

$$RI = E$$

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

$$3A = a + b + c$$

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

8.  $V = LWH$  ( $W$ )

$$\frac{V}{LH} = W$$

9.  $D = RT$  ( $R$ )

$$R = \frac{D}{T}$$

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

$$PN = R - C$$

$$\frac{PN - R}{-1} = \frac{-C}{-1}$$

$$C = -PN + R$$

11.  $\frac{x+z-w}{R} = 1$  ( $w$ )

$$R = x + z - w$$

$$R + w = x + z$$

$$w = x + z - R$$

12.  $4x - 3y - 8 = 0$  ( $y$ )

$$4x - 8 = 3y$$

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

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