



Solve each equation for the given variable.

Ex. 4:  $I = prt$  for  $t$

$\frac{I}{pr} = t$

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Ex. 5:  $P = 2w + 2l$  for  $w$

$$\frac{P - 2l}{2} = \frac{2w}{2}$$

$$w = \frac{P}{2} - \frac{2l}{2}$$

$$w = \frac{P - 2l}{2}$$

$$w = \frac{P}{2} - l$$

Ex. 6:  $zW = \frac{x - y}{z}$  for  $x$

$$\begin{array}{r} zW = x - y \\ + y \quad \quad + y \end{array}$$

$$zW + y = x$$



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Ex. 7:  $2A = \frac{1}{2}bh$  for  $b$

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

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

Solve for  $y$ . Then, write in slope-intercept form.

Ex. 8:  $4x + 2y = -8$  for  $y$

$$y = \underline{mx} + b$$

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

$$y = -2x - 4$$

Ex. 9:  $2x - 3y = 12$  for  $y$

$$\frac{-3y}{-3} = \frac{-2x + 12}{-3}$$

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