

## Solving Literal Equations

Name \_\_\_\_\_

Hour \_\_\_\_\_

Solve each equation for x.

1.  $x - 3y = 8$

2.  $7x + y = 4$

3.  $\frac{1}{4}x - 6y = 1$

4.  $-2x + y = 10$

Solve each equation for y.

5.  $7x + y = 4$

6.  $2x - y = 15$

7.  $3x - \frac{1}{2}y = -5$

8.  $x + 6y = 12$

Solve the following formulas for the given variable.

9.  $V = \frac{\pi R^2 h}{3}$  for h

11.  $P = 2l + 2w$  for w

10.  $h = \frac{3P}{w}$  for w

12.  $L = \frac{3MP^2}{Q}$  for  $P^2$