

## Literal Equations

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each equation for the indicated variable.**

1)  $g = xc$ , for  $x$

2)  $z = x - m$ , for  $x$

3)  $u = a + k$ , for  $a$

4)  $u = ak$ , for  $a$

5)  $g = c - x$ , for  $x$

6)  $g = x + c$ , for  $x$

7)  $z = \frac{a}{m}$ , for  $a$

8)  $g = \frac{c}{a}$ , for  $a$

9)  $3x + 2k = -6$ , for  $x$

10)  $z = -3x + 2$ , for  $x$

11)  $3m + 3a = -4$ , for  $a$

12)  $2x - k = 6$ , for  $x$

13)  $z = \frac{3x}{5}$ , for  $x$

14)  $-c + 2x = 6$ , for  $x$

15)  $16am = -6$ , for  $a$

16)  $3a - 4c = -3$ , for  $a$

17)  $g = -6yx$ , for  $x$

18)  $u = \frac{6a + 4}{3b}$ , for  $a$

19)  $g = -3a + 2 + 2b$ , for  $a$

20)  $x = b(2a + c)$ , for  $b$

## Answers to Literal Equations

$$1) x = \frac{g}{c}$$

$$9) x = \frac{-2k - 6}{3}$$

$$17) x = -\frac{g}{6y}$$

$$3) a = u - k$$

$$11) a = \frac{-3m - 4}{3}$$

$$19) a = \frac{-g + 2 + 2b}{3}$$

$$5) x = -g + c$$

$$13) x = \frac{5z}{3}$$

$$7) a = zm$$

$$15) a = -\frac{3}{8m}$$