

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

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

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

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

$$3) a = u - k$$

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

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

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

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

$$7) a = zm$$

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