

Unit 1.4 Literal Equations and Formulas

Period _____

Solve each equation for the indicated variable.

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

$$x = gc$$

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

$$x = -(g - c) \text{ or } x = \frac{g - c}{-1}$$

3) $z = am$, for a

$$a = \frac{z}{m}$$

4) $z = a + m$, for a

$$a = z - m$$

5) $u = a - k$, for a

$$a = u + k$$

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

$$a = \frac{m}{z}$$

7) $g = c + a$, for a

$$a = g - c$$

8) $g = cx$, for x

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

9) $z = b + ma$, for a

$$a = \frac{z - b}{m}$$

10) $c + a = d + r$, for a

$$a = d + r - c$$

11) $m - x = p - n$, for x

$$x = \frac{p - n - m}{-1}$$

12) $\frac{c}{a} = r + d$, for a

$$a = \frac{c}{r + d}$$

13) $kx = w - v$, for x

$$x = \frac{w - v}{k}$$

14) $g = bca$, for a

$$a = \frac{g}{bc}$$

15) $a + m = b + n + p$, for a

$$a = b + n + p - m$$

16) $\frac{a}{m} = b - (p + n)$, for a

$$a = m(b - (p + n))$$

17) $z = \frac{p + n}{x + m}$, for x

$$x = \frac{p + n}{z} - m$$

18) $z = \frac{ma}{n - p}$, for a

$$a = \frac{z(n - p)}{m}$$