Math 1 Name_____

Unit 1.4 Examples of Literal Equations and Formulas

Period____

Solve each equation for the indicated variable.

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

2) $u = ka$, for a

3) $u = \frac{k}{x}$, for x

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

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

6) $u = \frac{x}{k}$, for x

7) $u = \frac{k}{a}$, for a

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

9) $a - k = w + v$, for a

10) $x + m = p - n$, for x

11) $u = a - k + b$, for a

12) $z = am + b$, for a

13) $g = b + c - a$, for a

14) $a + k = w + v$, for a

15) $ma = \frac{p}{n} - b$, for a

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

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

18) $g = cx - \frac{d}{r}$, for x

Math 1 Name_____

Unit 1.4 Examples of Literal Equations and Formulas

Period____

Solve each equation for the indicated variable.

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

$x = \frac{z - m}{-1}$

2) $u = ka$, for a

$a = \frac{u}{k}$

3) $u = \frac{k}{x}$, for x

$x = \frac{k}{u}$

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

$a = u - k$

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

$a = g + c$

6) $u = \frac{x}{k}$, for x

$x = uk$

7) $u = \frac{k}{a}$, for a

$a = \frac{k}{u}$

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

$x = g - c$

9) $a - k = w + v$, for a

$a = w + v + k$

10) $x + m = p - n$, for x

$x = p - n - m$

11) $u = a - k + b$, for a

$a = u + k - b$

12) $z = am + b$, for a

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

13) $g = b + c - a$, for a

$a = \frac{g - b - c}{-1}$

14) $a + k = w + v$, for a

$a = w + v - k$

15) $ma = \frac{p}{n} - b$, for a

$a = \frac{1}{m}\left(\frac{P}{n} - b\right)$

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

$a = \frac{zm}{n + p}$

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

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

18) $g = cx - \frac{d}{r}$, for x

$x = \left(g + \frac{d}{r}\right) \cdot \frac{1}{c}$