Algebra 1 Name_____

ACED.4 Literal Equations

Date_____

Solve each equation for the indicated variable.

1) $g = ca - b$, for a

2) $g = bac$, for a

3) $g = x - c + y$, for x

4) $u = y - x - k$, for x

5) $g = b + \frac{c}{a}$, for a

6) $\frac{c}{x} = d - r$, for x

7) $ac = d + r$, for a

8) $k - a = w - v$, for a

9) $z = 8x + 8 + 2y$, for x

10) $u = 3y + 4x - 2$, for x

11) $g = -\dfrac{b}{2+3a}$, for a

12) $u = -b - 8a + 16$, for a

13) $6x = \dfrac{p}{n}$, for x

14) $u = -2y - 3x - 6$, for x

15) $u = -3y - 6yx$, for x

16) $-6a = -v + 4w$, for a

17) $z = m - a + b$, for a

18) $\dfrac{m}{x} = p - n$, for x

19) $g = b - \dfrac{c}{a}$, for a

20) $m - a = n + p$, for a

Algebra 1 Name_____

ACED.4 Literal Equations

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Solve each equation for the indicated variable.

1) $g = ca - b$, for a

$a = \frac{g + b}{c}$

2) $g = bac$, for a

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

3) $g = x - c + y$, for x

$x = g + c - y$

4) $u = y - x - k$, for x

$x = -u + y - k$

5) $g = b + \frac{c}{a}$, for a

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

6) $\frac{c}{x} = d - r$, for x

$x = -\frac{c}{-d + r}$

7) $ac = d + r$, for a

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

8) $k - a = w - v$, for a

$a = k - w + v$

9) $z = 8x + 8 + 2y$, for x

$x = \frac{z - 8 - 2y}{8}$

10) $u = 3y + 4x - 2$, for x

$x = \frac{u - 3y + 2}{4}$

11) $g = -\dfrac{b}{2+3a}$, for a

$a = \dfrac{-2g-b}{3g}$

12) $u = -b - 8a + 16$, for a

$a = \dfrac{-u-b+16}{8}$

13) $6x = \dfrac{p}{n}$, for x

$x = \dfrac{p}{6n}$

14) $u = -2y - 3x - 6$, for x

$x = \dfrac{-u-2y-6}{3}$

15) $u = -3y - 6yx$, for x

$x = \dfrac{-u-3y}{6y}$

16) $-6a = -v + 4w$, for a

$a = \dfrac{v-4w}{6}$

17) $z = m - a + b$, for a

$a = -z + m + b$

18) $\dfrac{m}{x} = p - n$, for x

$x = -\dfrac{m}{-p+n}$

19) $g = b - \dfrac{c}{a}$, for a

$a = -\dfrac{c}{g-b}$

20) $m - a = n + p$, for a

$a = m - n - p$