

Literal Equations Practice

Date _____ Period _____

Solve each equation for the indicated variable.

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

2) $x - c = d - r$, for x

3) $xk = v - w$, for x

4) $u = \frac{b}{ka}$, for a

5) $x - c = d + r$, for x

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

7) $\frac{c}{x} = r + d$, for x

8) $\frac{k}{x} = w + v$, for x

Solve each equation.

9) $-3(3n - 3) = 36$

10) $-36 = 3(-3 + 3x)$

11) $5 + 2n = -(2n + 3)$

12) $3(1 + 2x) = 9 + 3x$

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Solve each equation for the indicated variable.

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

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

2) $x - c = d - r$, for x

$$x = c + d - r$$

3) $xk = v - w$, for x

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

4) $u = \frac{b}{ka}$, for a

$$a = \frac{b}{uk}$$

5) $x - c = d + r$, for x

$$x = c + d + r$$

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

$$x = -g + y + c$$

7) $\frac{c}{x} = r + d$, for x

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

8) $\frac{k}{x} = w + v$, for x

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

Solve each equation.

9) $-3(3n - 3) = 36$

$$\{-3\}$$

10) $-36 = 3(-3 + 3x)$

$$\{-3\}$$

11) $5 + 2n = -(2n + 3)$

$$\{-2\}$$

12) $3(1 + 2x) = 9 + 3x$

$$\{2\}$$