

Solving Literal Equations Practice

Solve each equation or formula for the variable indicated.

<p>1. $u = vw + z$ Solve for v.</p> $\frac{u - z}{w} = \frac{vw}{w}$ $v = \frac{u - z}{w}$	<p>4. $\frac{10ac - x}{11} = -3$ Solve for a.</p> $10ac - x = -33$ $10ac = -33 + x$ $a = \frac{-33 + x}{10c}$
<p>2. $fg - 9h = 10j$ Solve for g.</p> $fg = 10j + 9h$ $g = \frac{10j + 9h}{f}$	<p>5. $-14n + 1 = rt - 4n$ Solve for n.</p> $-10n + 1 = rt$ $-10n = rt - 1$ $n = \frac{rt - 1}{-10}$ <p>OR $n = \frac{1 - rt}{10}$</p> <p>OR $n = \frac{-rt + 1}{10}$</p>
<p>3. $r = \frac{1}{3}(2t + v)$ Solve for t.</p> $3r = 2t + v$ $3r - v = 2t$ $t = \frac{3r - v}{2}$	<p>6. $2x + 4y = 12$ Solve for y.</p> $4y = 12 - 2x$ $y = 3 - \frac{1}{2}x$

\div by $\frac{1}{3}$ is the same as $\times 3$

$y = mx + b$
 $y = mx$
 $k = m$