Solving Two-Step Equations

Multiplication & Division - No Negative Coefficients

Name: _____ **Date:** _____

Solve the equations.

(1) $-4 + \frac{x}{6} = 1$

(2) $\frac{x}{3} - 12 = 3$

(3) $\frac{x}{18} - 1 = 2$

(4) $84 + 9x = 192$

(5) $\frac{x}{10} + 2 = 7$

(6) $3x + 8 = 32$

(7) $-6 + \frac{x}{2} = 10$

(8) $26 + 9x = 125$

(9) $\frac{x}{2} + 12 = 29$

(10) $-5 + \frac{x}{4} = 6$

(11) $6x + 50 = 158$

(12) $\frac{x}{2} + 12 = 27$

(13) $\frac{x}{6} - 3 = 5$

(14) $\frac{x}{4} - 5 = 3$

(15) $31 + 12x = 187$

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ANSWER KEY

Solve the equations.

(1) $-4 + \frac{x}{6} = 1$

$\frac{x}{6} = 5$

$x = 30$

(2) $\frac{x}{3} - 12 = 3$

$\frac{x}{3} = 15$

$x = 45$

(3) $\frac{x}{18} - 1 = 2$

$\frac{x}{18} = 3$

$x = 54$

(4) $84 + 9x = 192$

$9x = 108$

$x = 12$

(5) $\frac{x}{10} + 2 = 7$

$\frac{x}{10} = 5$

$x = 50$

(6) $3x + 8 = 32$

$3x = 24$

$x = 8$

(7) $-6 + \frac{x}{2} = 10$

$\frac{x}{2} = 16$

$x = 32$

(8) $26 + 9x = 125$

$9x = 99$

$x = 11$

(9) $\frac{x}{2} + 12 = 29$

$\frac{x}{2} = 17$

$x = 34$

(10) $-5 + \frac{x}{4} = 6$

$\frac{x}{4} = 11$

$x = 44$

(11) $6x + 50 = 158$

$6x = 108$

$x = 18$

(12) $\frac{x}{2} + 12 = 27$

$\frac{x}{2} = 15$

$x = 30$

(13) $\frac{x}{6} - 3 = 5$

$\frac{x}{6} = 8$

$x = 48$

(14) $\frac{x}{4} - 5 = 3$

$\frac{x}{4} = 8$

$x = 32$

(15) $31 + 12x = 187$

$12x = 156$

$x = 13$