

Solving Two-Step Equations

Multiplication & Division - Negative Coefficients

Name: _____ Date: _____



Solve the equations.

(1) $\frac{x}{11} + 1 = 5$

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

(3) $\frac{x}{-4} - 9 = -23$

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

(5) $\frac{x}{11} - 4 = 1$

(6) $4 + \frac{x}{4} = 12$

(7) $\frac{x}{9} + 1 = 4$

(8) $81 + 11x = -62$

(9) $\frac{x}{-16} - 2 = 1$

(10) $-26 + 12x = -98$

(11) $4 + \frac{x}{8} = 11$

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

(13) $79 - 11x = 277$

(14) $84 + 10x = -66$

(15) $1 + \frac{x}{14} = 4$

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ANSWER KEY



Solve the equations.

$$(1) \quad \frac{x}{11} + 1 = 5$$

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

$$x = 44$$

$$(2) \quad \frac{x}{6} - 1 = 4$$

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

$$x = 30$$

$$(3) \quad \frac{x}{-4} - 9 = -23$$

$$\frac{x}{-4} = -14$$

$$x = 56$$

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

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

$$x = 30$$

$$(5) \quad \frac{x}{11} - 4 = 1$$

$$\frac{x}{11} = 5$$

$$x = 55$$

$$(6) \quad 4 + \frac{x}{4} = 12$$

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

$$x = 32$$

$$(7) \quad \frac{x}{9} + 1 = 4$$

$$\frac{x}{9} = 3$$

$$x = 27$$

$$(8) \quad 81 + 11x = -62$$

$$11x = -143$$

$$x = -13$$

$$(9) \quad \frac{x}{-16} - 2 = 1$$

$$\frac{x}{-16} = 3$$

$$x = -48$$

$$(10) \quad -26 + 12x = -98$$

$$12x = -72$$

$$x = -6$$

$$(11) \quad 4 + \frac{x}{8} = 11$$

$$\frac{x}{8} = 7$$

$$x = 56$$

$$(12) \quad \frac{x}{5} - 3 = 5$$

$$\frac{x}{5} = 8$$

$$x = 40$$

$$(13) \quad 79 - 11x = 277$$

$$-11x = 198$$

$$x = -18$$

$$(14) \quad 84 + 10x = -66$$

$$10x = -150$$

$$x = -15$$

$$(15) \quad 1 + \frac{x}{14} = 4$$

$$\frac{x}{14} = 3$$

$$x = 42$$