

Two-Step Equations

Order for Solving Two-step Equations

1. First, get rid of the _____ by _____
or _____.
2. Then, solve the _____.

Example 1

$$3x + 4 = -9$$

Example 2

$$-15 = \frac{1}{2}x - 7$$

Two-Step Equations

1

Directions: Fill in the blanks to solve each equation.

1. $6x - 18 = 33$

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

$6x - 18$ _____ $= 33$ _____	Add _____	$\frac{2}{3}x + 4$ _____ $= -2$ _____	Add _____
$6x =$ _____	Simplify	$\frac{2}{3}x =$ _____	Simplify
	Divide		Multiply
$x =$ _____		$x =$ _____	

2

Directions: Solve each equation.

1. $-3x + 10 = 26$

2. $\frac{1}{2}x - 12 = 42$

Solution:	Solution:

3. $\frac{x}{8} + 15 = 35$

4. $\frac{3}{4}y + 2 = -23$

Solution:	Solution:

3

Directions: Solve each equation. Round all decimal answers to the hundredths place.

1. $-2.1x + 8.2 = 20$

2. $\frac{1}{2}x - \frac{3}{4} = -4$

Solution:	Solution:

3. $\frac{x}{5.5} + 15 = -65$

4. $-4.15x + 9 = -21.5$

Solution:	Solution:

5. $\frac{3}{5}x - 5 = \frac{6}{5}$

6. $\frac{x}{12} - 22.8 = -14.25$

Solution:	Solution: