

Multi-Step Equations with Variables on Both Sides - CLASS EXAMPLES**Simplify each expression.**

1) $1 + 3x + 2x - 3$

2) $3 - (7x + 5)$

3) $-8(k - 5) - k$

4) $7(x - 3) - 8$

Solve each equation.

5) $2x + 4x = 6$

6) $-3r - 7 + 2r = -9$

7) $4(2b + 4) = 48$

8) $45 = -3 + 3(4 + 3n)$

$$9) -14 + 3r = 8r + 1$$

$$10) 1 - 7n = 1 + 5n$$

$$11) 32 + 4n = 4(7 + n) + 4$$

$$12) -43 - 6b = -6(b + 6)$$

Introduction to Fraction Busters!

$$13) \frac{5}{7} + \frac{x}{7} = \frac{8}{7}$$

More Fraction Busters!

$$14) \frac{n}{5} - \frac{3n}{10} = \frac{1}{5}$$

$$15) \frac{2}{3} + \frac{3m}{5} = \frac{31}{15}$$

Answers to Multi-Step Equations with Variables on Both Sides - CLASS EXAMPLES (ID:

1) $-2 + 5x$

2) $-7x - 2$

3) $-9k + 40$

4) $7x - 29$

5) $\{1\}$

6) $\{2\}$

7) $\{4\}$

8) $\{4\}$

9) $\{-3\}$

10) $\{0\}$

11) $\{ \text{All real numbers.} \}$

12) No solution.

13)

14)

15)