

Lesson 2.4

You will learn to solve multi-step equations

Solve $2 + 5k = 3k - 6$. Check your solution.

Aug 22-7:45 AM

Aug 22-10:51 AM

1A. $3w + 2 = 7w$

1B. $5a + 2 = 6 - 7a$

1C. $\frac{x}{2} + 1 = \frac{1}{4}x - 6$

1D. $1.3c = 3.3c + 2.8$

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Solve $6(5m - 3) = \frac{1}{3}(24m + 12)$.

2A. $8s - 10 = 3(6 - 2s)$

2B. $7(n - 1) = -2(3 + n)$

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HW Review

Some equations may have no solution. That is, there is no value of the variable that will result in a true equation. Some equations are true for all values of the variables. These are called **identities**.

CLUES: Variable is gone!

Same number on both sides of equal: all real numbers

Different numbers on each side of equal: no solution

Solve each equation.

a. $5x + 5 = 3(5x - 4) - 10x$

b. $3(2b - 1) - 7 = 6b - 10$

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Aug 22-1:17 PM

3A. $7x + 5(x - 1) = -5 + 12x$

3B. $6(y - 5) = 2(10 + 3y)$

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Do Now:p 100, # 1-9

Aug 22-1:19 PM