

Solving Equations with Variables on Both Sides Exit Quiz

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. An equation with variable on both sides means the variable is on both sides of the _____.

- a. Inequality
- b. Equality
- c. Square Root
- d. None of these

2. An equation that is true for all the possible values of the variable has:

- a. No solution
- b. Infinite solutions
- c. Exactly one solution
- d. None of these

3. The equation $2x + 4 = 3x + 12$ has:

- a. No solution
- b. Infinite solutions
- c. Exactly one solution
- d. None of these

4. The equation $78x - 52 = 13(6x - 5)$ has:

- a. No solution
- b. Infinite solutions
- c. Exactly one solution
- d. None of these

Part B Instructions: Answer the question below.

5. Find the solution of $\frac{t}{9} + 10 = 2\left(\frac{t}{18} + 4\right)$. Indicate if the equation is an identity equation or has no solution.

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Answers

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Part B Instructions: Answer the question below.

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_____ **No Solution** _____