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Name:

Date:

Solving Equations and Inequalities



Vocabulary Review: In your own words, define each of the following vocabulary terms.
• Equation
• Inequality
Standard Form
• Variable
• Zero Pairs

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Apply New Learning:

1. Explain the steps you would use to solve the multistep equation: 3(x + 3) = 6x - 6.

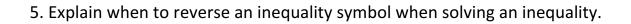
2. Solve for x in the following equation: 9 + 4x - 3 = 3(x + 1).

3. Transform 6y - 3x = -4 into slope-intercept form.

4. Transform y = 3x - 12 into standard form.

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6. Solve for x in the following equation: $4x - 2x + 8y \le 8 - 6x$.

7. Now solve for y in the following equation: $4x - 2x + 8y \le 8 - 6x$.