

LESSON 11: Analyzing Solutions to Linear Equations with One Variable

Homework

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Name _____ **Date** _____**Directions:** Solve all of the following equations. Then, identify whether the equation has one solution, no solutions or infinite solutions.

1. $8x - 1 = 15 - 4x$

2. $5 + 4x = 3x + 7 + x$

3. $5x = 2x + 3x$

4. $6x + 1 - 6x = 5$

5. $x + 8 = 11 - 5x$

6. $2x + 7 = 4x - 9$

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

8. $10x - 13 = 7$

9. $2x + 3 = 5 + 2x - 2$

10. $10x - 6 = 9x + x - 5$