Math Practice - Grade 8

M4 Solving linear equations

M4 8.EE.C.7, 8.EE.C.7a, 8.EE.C.7b

Name: _____ Date: _____

Solve a linear equation in one variable. Tell whether an equation has one solution, no solution, or infinitely many solutions. Solve equations with the distributive property and with like terms on both sides.

1 **Solve 2/4x + 9 = 12.**

$$2/4x + 9 = 12, x = \square$$

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2 **How many solutions does 2x + 7 = 27 have?**

$$2x + 7 = 27$$

One solution	No solution	Infinitely many solutions

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3 **Solve 7(x + 7) + 9 = 135.**

$$7(x + 7) + 9 = 135, x = \square$$

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Name: _____ Date: _____

Solve a linear equation in one variable. Tell whether an equation has one solution, no solution, or infinitely many solutions. Solve equations with the distributive property and with like terms on both sides.

1 **Solve 1/2x + 1 = 7.**

$$1/2x + 1 = 7, x = \square$$

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2 **How many solutions does 5x + 3 = 58 have?**

$$5x + 3 = 58$$

One solution	No solution	Infinitely many solutions

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3 **Solve 9(x + 9) + 6 = 159.**

$$9(x + 9) + 6 = 159, x = \square$$

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Name: _____ Date: _____

Solve a linear equation in one variable. Tell whether an equation has one solution, no solution, or infinitely many solutions. Solve equations with the distributive property and with like terms on both sides.

1 **Solve 2/4x + 5 = 10.**

$$2/4x + 5 = 10, x = \square$$

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2 **How many solutions does 8x + 12 = 8x + 13 have?**

$$8x + 12 = 8x + 13$$

One solution	No solution	Infinitely many solutions

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3 **Solve 8(x + 1) = 40.**

$$8(x + 1) = 40, x = \square$$