

Name _____
Alg1

Alg1 Absent Assignment #3
Solving Linear Equations

1) $\frac{1}{2}x + 39 = 31$

2) $42 - \frac{3}{4}x = 21$

3) $8x - 5 = 3x + 50$

4) $(5x - 2) + (7x + 5) = -81$

Remember:

When you have x's on the same side of the equal sign, you must combine like terms.

When you have x's on both sides of the equal sign, you must move the x's to one side.

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$$5) (9x - 4) - (6x + 5) = 27$$

$$6) (15x + 11) - (24 - 5x) = -18$$

$$7) 6(2x + 5) + 5(3x - 7) = 4$$

$$8) 7(6x - 1) - 6(8x + 3) = 5$$

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9) $12(9 - 4x) - 5(3x + 21) = 129$

10) $9(4x + 6) + 3(12x - 18) = -36$

11) $8(3x - 10) = 10(2x - 6)$

12) $7(4x - 10) = 6(8x - 10)$

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13) $12(19 - 3x) = 6(3x - 16)$

14) $9(2x + 3) - 4 = 5(3x - 2)$

15) $8(6x - 5) = 2(21x + 1)$

16) $13(8 - 4x) = 4(4x - 25)$

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17) $15(8x - 1) = -6(3 - 16x)$

18) $6(4x - 7) - 5(3x - 5) = 55$

19) $7(3 - 2x) + 11(4x - 3) = 3$

20) $9(6x - 11) = 15(2x + 3)$

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