

Name _____ Date _____

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Solving Two-Step Equations Worksheet

Lesson Objectives

to solve two-step equations

Solve each equation and check your solution. You may use Algebra Lab Gear, be sure to show all steps.

$$\begin{aligned} 1. \quad 3x + 5 &= 2 \\ -5 &= -5 \\ \frac{3x}{3} &= \frac{-3}{3} \\ x &= -1 \end{aligned}$$

$$2. \quad 2x - 3 = 1$$

$$3. \quad -x + 4 = 1$$

$$4. \quad 4y - 6 = -18$$

$$5. \quad -9 = -2y - 1$$

$$6. \quad -3x + 6 = 12$$

$$7. \quad 7 - 3y = 22$$

$$8. \quad -10 = -4 + 2x$$

$$9. \quad 12 - 6y = 24$$

$$10. \quad 10 = 3x - 5$$

$$11. \quad -9 = 7 - x$$

$$12. \quad 10 = 4 - 2x$$

$$13. \quad 9 - 2x = 15$$

$$14. \quad -14 = 6 - 4x$$

$$15. \quad 2 = 5y - 8$$

$$16. \quad 7y - 4 = -11$$

$$17. \quad 8 - 3x = -13$$

$$18. \quad 4x + 3 = 19$$