

## Lesson 1.5 ~ Solving Two-Step Equations

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

**Solve each equation. Show your work and check your solution.**

1.  $2x + 13 = 35$

2.  $\frac{m}{7} - 4 = 3$

3.  $5p - 8 = 42$

4.  $-9x - 1 = 44$

5.  $4 = \frac{v}{11} - 2$

6.  $-x + 1.2 = 12.8$

7.  $-2 + \frac{y}{10} = -6$

8.  $60 = 12h - 24$

9.  $\frac{1}{3}h + 2 = 3$

10.  $-3d - 7 = -10$

11.  $8 - 4x = 36$

12.  $\frac{t}{3} + 16 = 34$

**Write an equation for each statement. Solve each problem and check your solution.**

13. Eight more than twice a number is eight. Find the number.

14. Seven decreased by three times a number is forty. Find the number.

16. Johanna starts the month with \$54 in her savings account. At the end of each week, Johanna adds \$8 to the account.

a. How much will Johanna have in her account after 5 weeks?

b. Write a formula that could be used to calculate Johanna's total savings ( $S$ ) based on how many weeks ( $w$ ) she has deposited money in the bank.

c. Use your formula to determine how many weeks have passed when Johanna reaches \$166 in her account.