**3-4A Lesson Master**

**SKILLS** Objective A

In 1–10, solve and check. Show your work.

1. \(7x + 12 = 26\)
2. \(-3 + 4x = 13\)

3. \(27 = 2w - 8\)
4. \(13 + \frac{3}{7}t = -3\)

5. \((2 + n) + -9 = -7\)
6. \(1.27P + 4.28 = 27.39\)

7. \(0.02y + 0.01 = 0.005\)
8. \((3w + 2) - 9 = 15\)

9. \(\frac{7}{8} = \frac{1}{8} + \frac{3}{4}t\)
10. \(6a - 3 - 2a = 17\)

**USES** Objective D

In 11–13, a situation is given.

a. Write an equation to describe the situation and identify what the variable represents.

b. Solve the equation and answer the question.

11. Trina bought some juice boxes on sale for 30 cents each. She also bought a box of granola bars for $3.29. There is no sales tax on food items in her state. Her total grocery bill was $6.59. How many juice boxes did Trina buy?

12. Mark makes an average of 24 typing mistakes per page, but he is rapidly improving. Each day, he makes 3 fewer mistakes. His goal is to make no more than 3 mistakes per page. How many days will it take Mark to reach his goal?

13. In 2000, Omaha had a population of 716,998 and a growth rate of 86,756 people per year. How many years (to the nearest tenth) did it take for Omaha to have a population of 1 million?