Name _____

3-4A Lesson Master

Questions on SPUR Objectives
See pages 178–179 for objectives.

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. $13 + \frac{4}{7}t = -3$

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. $1\frac{7}{8} = \frac{1}{8} + \frac{3}{4}t$

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?

    a. _____

    b. _____

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?

    a. _____

    b. _____

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?

    a. _____

    b. _____