

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. _____