

Name

6-6A

Lesson Master

Questions on SPUR Objectives
See pages 392–395 for objectives.

SKILLS

Objective B

In 1–5, write an equation in slope-intercept form of the line through the two given points.

1. (1, 3) and (2, 15)

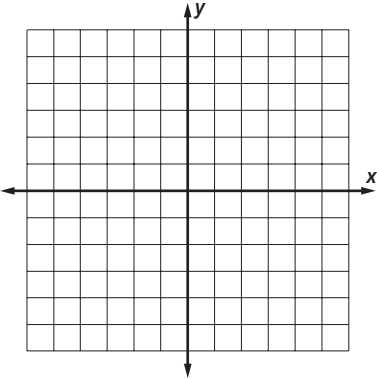
2. (–4, –8) and (1.5, 8)

3. (3, 0) and (22, –10)

4. (6, 9) and (2, 7)

5. (2, 3) and (–2, 5)

6. Check your answer to Question 5 by graphing the line.



USES

Objective F

7. The Blueport Bus Company finds that, if they lower their prices, more people will ride the bus. Right now, they charge \$1.25 per ride and average 2,400 customers per day. Analysts feel that there is a linear relationship between the cost c and the number of riders n and that if the cost dropped to \$1.00 the number of riders would increase to 2,700.
- a. Find an equation that relates the variables c and n .

- b. Use your answer to Part a to predict the number of riders if the cost of a bus ride were lowered to \$0.80.
