

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)

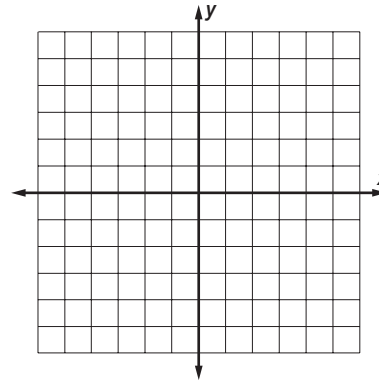
2. (-4, -8) and (1.5, 8)

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.
