

Name _____

6-5A Lesson Master**Questions on SPUR Objectives**

See pages 392–395 for objectives.

SKILLS Objective B

In 1–4, find an equation of the line given the slope and one point on the line.

1. slope 3, point (6, -4)

2. slope -2, point (-4, 0)

3. slope $\frac{3}{7}$, point (-7, -9)

4. slope $-\frac{1}{5}$, point (2, 12)

USES Objective F

5. The Pennyweight Movie Club lets you buy a dozen DVDs for a penny (\$0.01) on the condition that you purchase at least 20 more DVDs for \$17.99 each over the course of the year.

a. Write an ordered pair described by the information.

b. Write the slope described by the information.

c. Find an equation relating y , the total cost of purchasing the DVDs, to x , the number of DVDs you purchase.

d. Determine the cost of purchasing the required number of DVDs (12 plus 20 for a total of 32 DVDs).

6. Lancaster High had 2,100 students in 2006 and its enrollment was increasing by 40 students each year. Let x be the year and y the number of students. Write an equation relating x and y .
