6-2A Lesson Master

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

SKILLS  Objective A

In 1 and 2, find the slope of the line through the two points.

1. (2, 30) and (5, 66) ___________________  2. (−8, 4) and (8, −4) ___________________

In 3 and 4, refer to the graph below. Find the slope of the line.

3. line m ___________________  4. line n ___________________

5. The points (2, 8) and (a, 29) are on a line of slope 14. Find the value of a.

6. A line has equation 3x + 4y = 16. Find its slope.

PROPERTIES  Objective D

7. If a line passes through the points (a, b) and (r, s), with a ≠ r, what is its slope?

In 8–12, use the figure below.

8. Name all lines with positive slope. ___________________

9. Name all lines with negative slope. ___________________

10. Name all lines with zero slope. ___________________

11. Which line has the greatest slope? ___________________

12. Which line could have the equation y = −3? ___________________