

Name

6-3A Lesson Master

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

PROPERTIES

Objective D

In 1 and 2, use a line with slope -6 .

1. As you move 1 unit to the right on the line, in which other direction do you also move?
2. How many units do you move in the direction you gave in Question 1?
3. Give an example of two points that lie on the same horizontal line.
4. Use the points from Question 3 to explain why the slope of a horizontal line is 0.
5. Give an example of two points that lie on the same vertical line.
6. Use the points from Question 5 to explain why the slope of a vertical line is undefined.

USES

Objective E

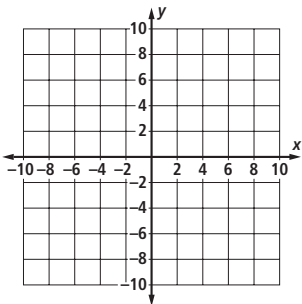
7. In order for the Wassermans to install their new washing machine, they had to move the old machine out of their basement. To do this, they built a small ramp by laying a piece of plywood over the 5 steps leading to the outside. If the rise (the vertical part) of each step was 6 inches, and the run (the horizontal part) of each step was 9 inches, what was the slope of the ramp?

REPRESENTATIONS

Objective H

In 8 and 9, graph the line described.

8. Passes through $(3, 1)$ and has slope -2



9. Passes through $(-1, -1)$ and has slope $\frac{1}{3}$

