

Name

6-4A

Lesson Master

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

SKILLS

Objective B

In 1 and 2, write an equation of the line in slope-intercept form with the following characteristics.

1. slope $\frac{1}{8}$, y -intercept 14
2. slope $-\pi$, y -intercept $\sqrt{17}$
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In 3 and 4, the graph of a line is given.

3.

a. Determine the slope of the line.

b. Determine the y -intercept of the line.

c. Write an equation of the line in slope-intercept form.
4.

a. Determine the slope of the line.

b. Determine the y -intercept of the line.

c. Write an equation of the line in slope-intercept form.

SKILLS

Objective C

In 5 and 6, an equation of a line is given. a. Rewrite the equation in slope-intercept form. b. Determine the slope of the line. c. Determine the y -intercept of the line.

5. $8x + 2y = 18$
6. $x - y = -7$
- a.
- a.
- b.
- b.
- c.
- c.

Name

USES

Objective F

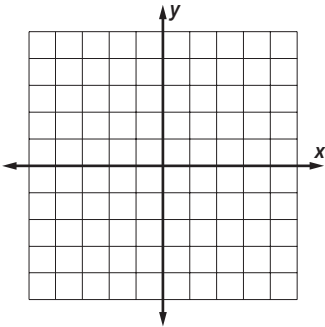
7. A hot air balloon starts at 300 feet and climbs at a rate of 700 feet per minute. If this situation were graphed with x as the time in minutes and y as the height in feet, determine the following.
- a. y -intercept
- b. slope
8. A plain pizza costs \$8.50 and each topping costs \$1. If this situation were graphed with x as the number of toppings and y as the cost in dollars, determine the following.
- a. y -intercept
- b. slope
- c. equation

REPRESENTATIONS

Objective H

In 9 and 10, an equation of a line in slope-intercept form is given.
Graph the line.

9. $y = -2x + 4$



10. $y = 3x + 2$

