

Name _____

6-4A Lesson Master

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

SKILLS Objective B

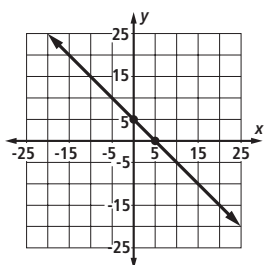
In 1 and 2, write an equation of the line in slope-intercept form with the following characteristics.

1. slope $\frac{1}{8}$, y-intercept 14

2. slope $-\pi$, y-intercept $\sqrt{17}$

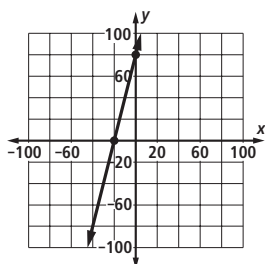
In 3 and 4, the graph of a line is given.

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. _____
- b. _____
- c. _____

- a. _____
- b. _____
- c. _____

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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 _____

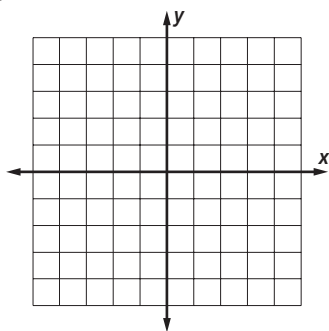
b. slope _____

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. $y = 3x + 2$

