

Name

6-4B

Lesson Master

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

SKILLS

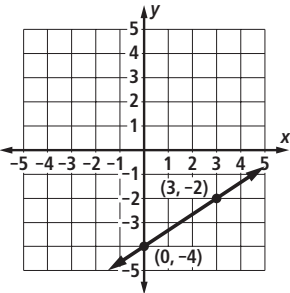
Objective B

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

1. slope = -3 , y -intercept 36
-
2. slope = 1 , y -intercept 7
-

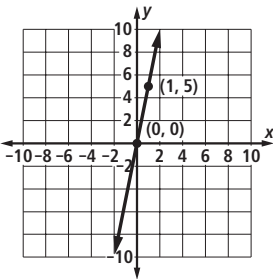
In 3–5, refer to the graph at the right.

3. Determine the slope of the line.
-
4. Determine the y -intercept of the line.
-
5. Write an equation of the line in slope-intercept form.
-



In 6–8, refer to the graph at the right.

6. Determine the slope of the line.
-
7. Determine the y -intercept of the line.
-
8. Write an equation of the line in slope-intercept form.
-



USES

Objective F

9. The Dowz family bought a package of paper towels that contained 12 rolls. Every 5 days, they need to open a new roll from the package. If this situation were graphed with y as the total number of paper-towel rolls left after d days, determine the following.
- a. the y -intercept
-
- b. the slope
-
- c. an equation of the line
-

Name _____

6-4B

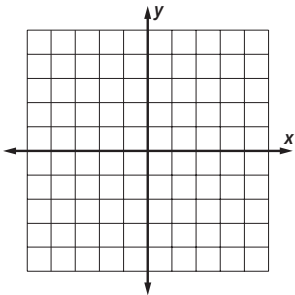
page 2

10. Crosby spent \$25 for some party favors. He still wants to buy some party hats that cost \$3 each. If this situation were graphed with y as the total cost of the party items when Crosby buys x hats, determine the following.
- a. y -intercept _____
 - b. slope _____
 - c. an equation of the line _____
 - d. If Crosby purchased 25 hats, what was the total cost (before tax) of the party items? _____

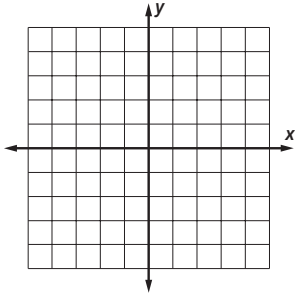
REPRESENTATIONS Objective H

In 11 and 12, an equation of a line in slope-intercept form is given. Graph the line.

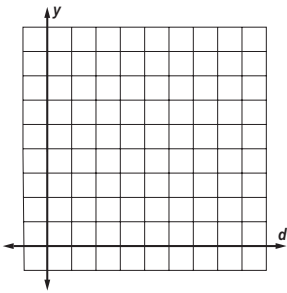
11. $y = -2x + 4$



12. $y = 3x + 2$



13. Graph the equation in Question 9c.



14. Graph the equation in Question 10c.

