

Name _____

6-4B Lesson Master

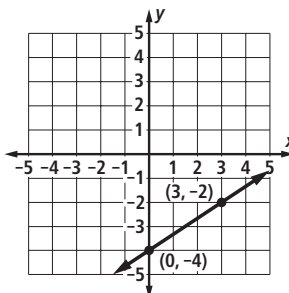
Questions on SPUR Objectives
See pages 392–395 for objectives.

SKILLS Objective B

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

- slope = -3 , y -intercept 36 _____
- slope = 1 , y -intercept 7 _____

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

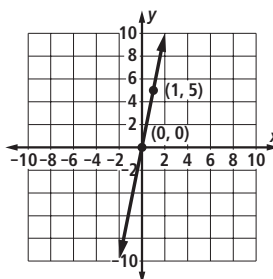


- Determine the slope of the line.

- Determine the y -intercept of the line.

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

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



- Determine the slope of the line.

- Determine the y -intercept of the line.

- 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.

- the y -intercept _____
- the slope _____
- an equation of the line _____

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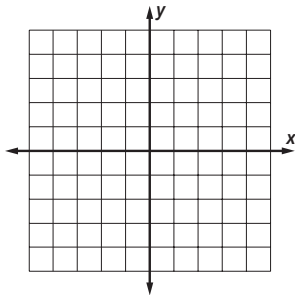
10. Crosby spent \$25 for some party favors. He still wants to buy some party hats that cost \$3 each. If this situation were graphed with y as the total cost of the party items when Crosby buys x hats, determine the following.

- 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? _____

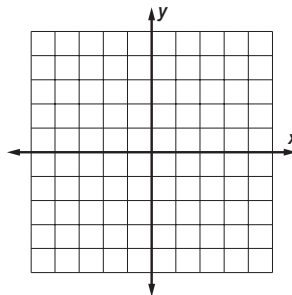
REPRESENTATIONS Objective H

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

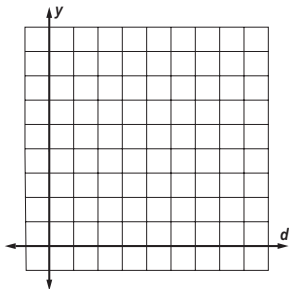
11. $y = -2x + 4$



12. $y = 3x + 2$



13. Graph the equation in Question 9c.



14. Graph the equation in Question 10c.

