

Name _____

3-3B Lesson Master

Questions on SPUR Objectives
See Student Edition pages 215–219 for objectives.

SKILLS Objective A

In 1–8, find a. the slope, b. the y-intercept (if any), and c. the x-intercept (if any).

- | | | | |
|-------------------------|----------|----------|----------|
| 1. $3x + 6y = 18$ | a. _____ | b. _____ | c. _____ |
| 2. $x - 4y = 10$ | a. _____ | b. _____ | c. _____ |
| 3. $-5y = 20$ | a. _____ | b. _____ | c. _____ |
| 4. $x = -7$ | a. _____ | b. _____ | c. _____ |
| 5. $2x - 9y - 45 = 0$ | a. _____ | b. _____ | c. _____ |
| 6. $2.7x - 1.5y = 20.7$ | a. _____ | b. _____ | c. _____ |
| 7. $2x = -25$ | a. _____ | b. _____ | c. _____ |
| 8. $y = 12$ | a. _____ | b. _____ | c. _____ |

PROPERTIES Objective E

In 9–11, determine whether each line is *oblique*, *horizontal*, or *vertical*.

- | | | |
|---------------|--------------------|----------------|
| 9. $12y = 18$ | 10. $4x + 9y = 27$ | 11. $-7x = 21$ |
| _____ | _____ | _____ |
12. For what values of A , B , and C is $Ax + By = C$ a horizontal line? _____
13. Describe the values of the slope of
- | | | |
|-----------------------|---------------------|---------------------|
| a. a horizontal line. | b. a vertical line. | c. an oblique line. |
| _____ | _____ | _____ |

In 14–17, determine whether the line with the given equation is *oblique*, *horizontal*, or *vertical*.

- | | |
|-------------------------|---------------------|
| 14. $y = -9x$ _____ | 15. $3y = 15$ _____ |
| 16. $x - 7y = 10$ _____ | 17. $-4x = 2$ _____ |

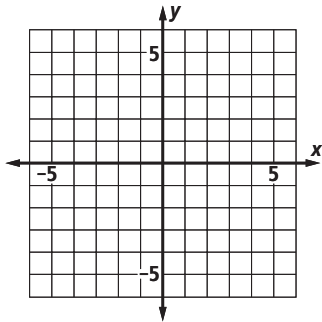
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3-3B

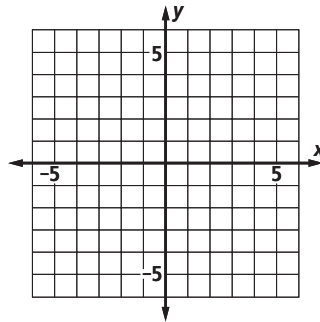
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REPRESENTATIONS Objective M

18. Graph $x = -3$.

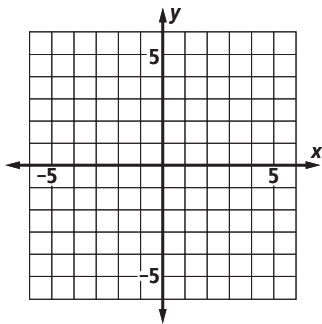


19. Graph $8y = 40$.

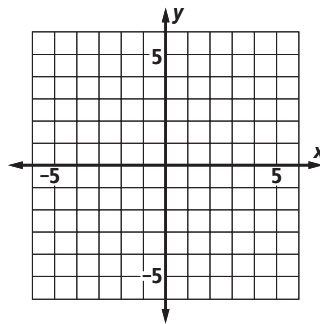


In 20 and 21, use the intercepts to graph the equation.

20. $3x + 5y = -15$

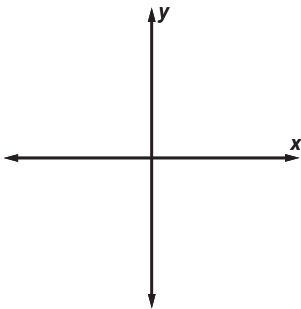


21. $28 = 14x - 7y$

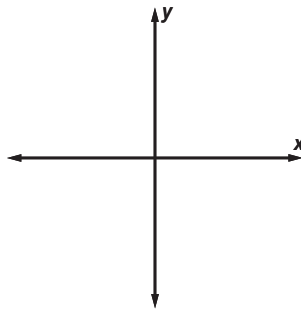


In 22-24, graph a line with the given slope.

22. zero



23. undefined



24. negative

