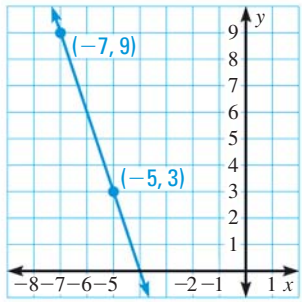
MIXED REVIEW FOR TAKS

TAKS PRACTICE at classzone.com

REVIEW Lesson 2.4; TAKS Workbook

64. **TAKS PRACTICE** What is the y-intercept of the line shown? *TAKS Obj. 3*



Ⓐ $b = -18$

Ⓑ $b = -12$

Ⓒ $b = -8$

Ⓓ $b = -4$

REVIEW Lesson 2.2; TAKS Workbook

65. **TAKS PRACTICE** Which two lines are parallel? *TAKS Obj. 7*

Ⓕ $3x + 2y = 8$ and $6x - 4y = -18$

Ⓖ $2x + 6y = 9$ and $4x + 12y = -15$

Ⓗ $3x + 2y = 8$ and $2x + 3y = 10$

Ⓙ $2x + 6y = 9$ and $-4x + 12y = 12$

REVIEW Lesson 2.3; TAKS Workbook

66. **TAKS PRACTICE** Which ordered pair represents the x-intercept of the equation $4x - 5y = 20$? *TAKS Obj. 3*

Ⓐ $(-4, 0)$ Ⓑ $(0, -4)$ Ⓒ $(0, 5)$ Ⓓ $(5, 0)$

QUIZ for Lessons 3.1–3.2

Graph the linear system and estimate the solution. Then check the solution algebraically. *(p. 153)*

1. $3x + y = 11$
$x - 2y = -8$

2. $2x + y = -5$
$-x + 3y = 6$

3. $x - 2y = -2$
$3x + y = -20$

Solve the system. Then classify the system as *consistent and independent*, *consistent and dependent*, or *inconsistent*. *(p. 153)*

4. $4x + 8y = 8$
$x + 2y = 6$

5. $-5x + 3y = -5$
$y = \frac{5}{3}x + 1$

6. $x - 2y = 2$
$2x - y = -5$

Solve the system using the substitution method. *(p. 160)*

7. $3x - y = -4$
$x + 3y = -28$

8. $x + 5y = 1$
$-3x + 4y = 16$

9. $6x + y = -6$
$4x + 3y = 17$

Solve the system using the elimination method. *(p. 160)*

10. $2x - 3y = -1$
$2x + 3y = -19$

11. $3x - 2y = 10$
$-6x + 4y = -20$

12. $2x + 3y = 17$
$5x + 8y = 20$

13. **HOME ELECTRONICS** To connect a VCR to a television set, you need a cable with special connectors at both ends. Suppose you buy a 6 foot cable for \$15.50 and a 3 foot cable for \$10.25. Assuming that the cost of a cable is the sum of the cost of the two connectors and the cost of the cable itself, what would you expect to pay for a 4 foot cable? *Explain* how you got your answer.