Name_____ Date _____

5.1 Notetaking with Vocabulary (continued)

Extra Practice

In Exercises 1–6, tell whether the ordered pair is a solution of the system of linear equations.

1. $(3, 1)$; $x + y = 4$
$2x - y = 3$

2. $(1, 3)$; $x - y = -2$
$2x + y = 5$

3. $(2, 0)$; $y = x - 2$
$y = -3x + 6$

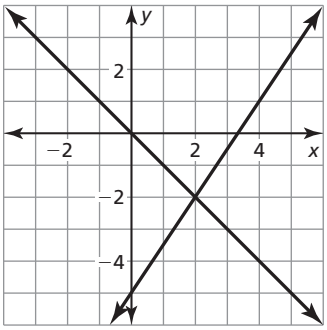
4. $(-1, -2)$; $x - 2y = 3$
$2x - y = 0$

5. $(-2, 3)$; $3x - 2y = -12$
$2x + 4y = 9$

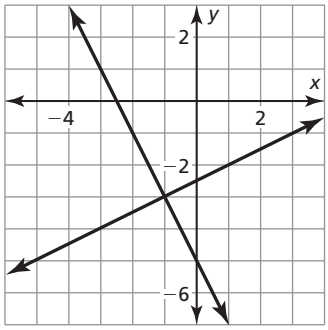
6. $(4, -3)$; $2x + 2y = 2$
$3x - 3y = 21$

In Exercises 7–9, use the graph to solve the system of linear equations. Check your solution.

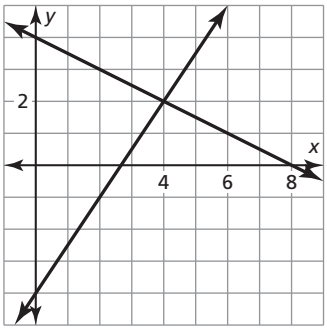
7. $3x - 2y = 10$
$x + y = 0$



8. $x - 2y = 5$
$2x + y = -5$



9. $x + 2y = 8$
$3x - 2y = 8$

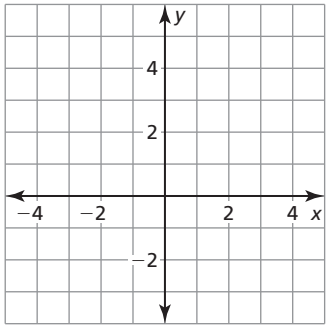


Name _____ Date _____

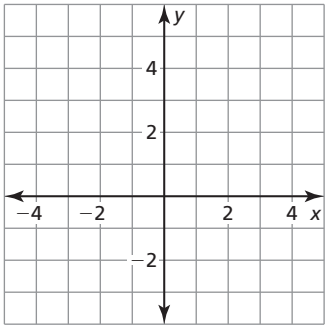
5.1 Notetaking with Vocabulary (continued)

In Exercises 10–15, solve the system of linear equations by graphing.

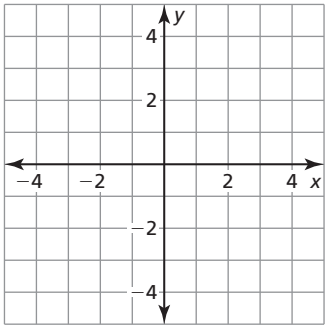
10. $y = -x + 3$
$y = x + 5$



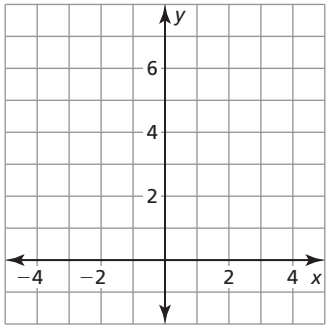
11. $y = \frac{1}{2}x + 2$
$y = -\frac{1}{2}x + 4$



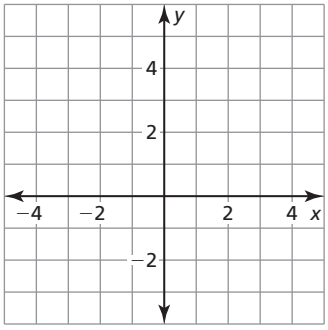
12. $3x - 2y = 6$
$y = -3$



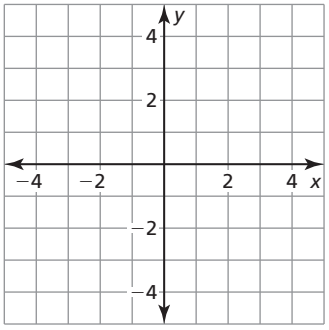
13. $y = 4x$
$y = -4x + 8$



14. $y = \frac{1}{4}x + 3$
$y = \frac{3}{4}x + 5$



15. $3x - 4y = 7$
$5x + 2y = 3$



16. A test has twenty questions worth 100 points. The test consists of x true-false questions worth 4 points each and y multiple choice questions worth 8 points each. How many of each type of question are on the test?