

Name _____ Period _____

ALGEBRA Chapter 7 Review/study guide

Determine whether the ordered pair is a solution of the system of equations (yes or no).

1. $-2x - 3y = 6$ $(0, -2)$ 1. _____

$3x + 4y = -10$

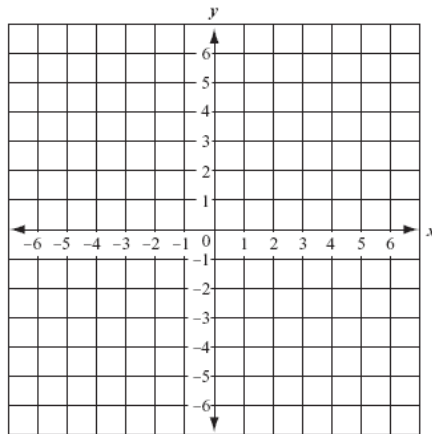
2. $x - y = 3$ $(5, 4)$ 2. _____

$3x - y = 11$

Solve the system of equations by graphing.

3. $-x + y = 4$

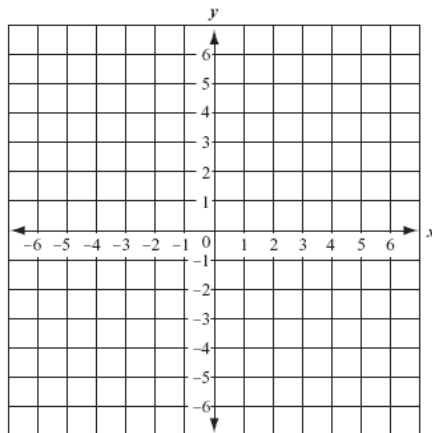
$x + y = 4$



3. _____

4. $-2x + y = 1$

$y = 5$



4. _____

Solve the system of equations by substitution.

5. $x + 2y = 6$

$-3x + y = 10$

5. _____

6. $y = x - 2$

$Y = -x + 4$

6. _____

7. $-2x + y = 1$

$y = 5$

7. _____

8. $3x + y = 6$

$-x + y = -2$

8. _____

9. $y = \frac{1}{2}x + 9$

$Y = -x + 6$

9. _____

10. $3x - 5y = -30$

$X - 5y = -20$

10. _____

Solve the system of linear equations.

11. $6x + 9y = 3$

$x + 4y = -2$

11. _____

12. $-x = 10$

$2x + 7y = 1$

12. _____

13. $-3x + y = -4$

$y = x - 6$

13. _____

14. $6x + 4y = 14$

$3x + 2y = 2$

14. _____

15. $3x - 2y = 3$

$-6x + 4y = -6$

15. _____

16. $x - y = 2$

$3x - 3y = 6$

16. _____

17. $2x + y = 2$
 $-2x - y = 0$

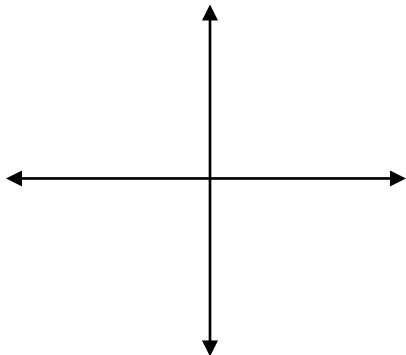
17. _____

18. $y = \frac{1}{2}x - 6$
 $x = \frac{2}{3}y$

18. _____

Graph the system of linear inequalities.

19. $4x + 2y \geq -6$
 $8x + y < 3$



20. $y \geq 0$ $x > -6$
 $x \leq 0$
 $y < 5$

