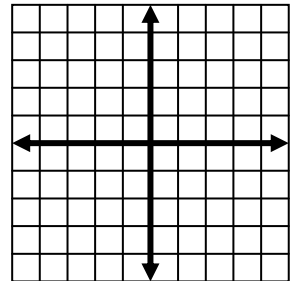
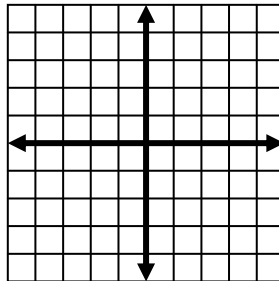
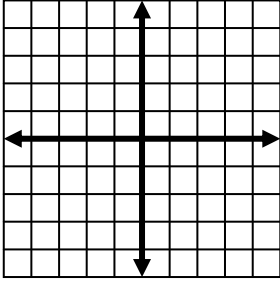


Lesson 6-1: Solve each system by graphing.

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

2. $y = 2x + 3$
 $y = -\frac{3}{2}x - 4$

3. $y = -2x + 3$
 $3x + 4y = -8$

**Lesson 6-2: Solve each system by using substitution.**

6. $x - y = 13$
 $y - x = -13$

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

8. $x + y = 4$
 $y = 7x + 4$

Lesson 6-3

Solve each system by elimination.

11. $x + y = 19$
 $x - y = -7$

12. $-3x + 4y = 29$
 $3x + 2y = -17$

13. $3x + y = 3$
 $-3x + 2y = -30$

14. $6x + y = 13$
 $y - x = -8$

15. $4x - 9y = 61$
 $10x + 3y = 25$

16. $4x - y = 105$
 $x + 7y = -10$

Lesson 6-4: Write a system of equations to model each problem and solve.

19. A shoe store pays \$1980 dollars a month for rent. The average profit on each pair of men's shoes is \$25, and the average profit on each pair of women's shoes is \$65. They usually sell 3 times as many pairs of women's shoes as men's. How many pairs of shoes of each type of shoe must the store sell each month to pay the rent?
20. Suppose you have 12 coins that total 32 cents. Some of the coins are nickels and the rest are pennies. How many of each coin do you have?
21. Claire bought three bars of soap and five sponges for \$2.31. Steve bought five bars of soap and three sponges for \$3.05. Find the cost of each item.

Lesson 6-5: Determine whether the ordered pair is a solution of the linear inequality.

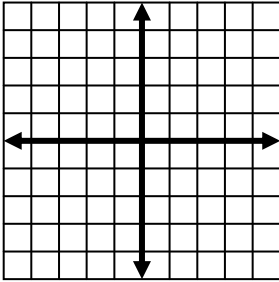
27. $y > x - 7$; (2, 5)

28. $x \leq 3$; (-2, 6)

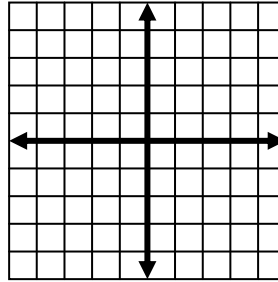
29. $y \geq 4x + 3$; (3, 9)

Graph each linear inequality.

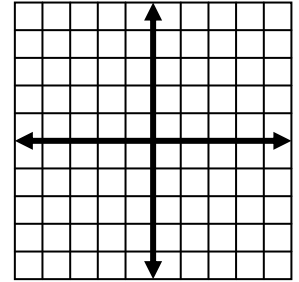
30. $y < x$



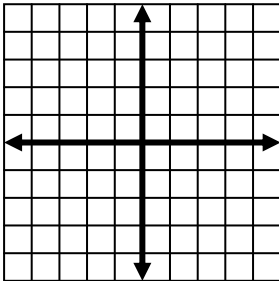
31. $y < x - 4$



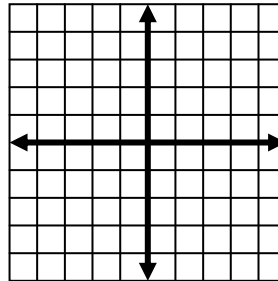
32. $y > -6x + 5$



33. $y \leq 3 - \frac{1}{2}x$



34. $y \geq \frac{1}{4}x - 3$



35. $2x - 3y \leq 6$

