Name:

Ch 7. 3 Solving Systems with Elimination

Solve the linear system using the method of your choice.

1.
$$6x + 9y = 3$$

 $x + 4y = -2$

2.
$$-x = 10$$

 $2x + 7y = 1$

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

 $y = x - 6$

4.
$$4x - 6 = 2y$$

 $-3x + 2y = -3$

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

 $-3x + 6y = -12$

6.
$$2x + 3y = 8$$

 $2x - 3y = -4$

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

 $-3x + 5y = -8$

8.
$$1.8x + 3y = 3$$

 $-2x - 2.5y = -5$

9.
$$x - y = 2$$

 $3x + y = -10$

Solve the system.

10. A sporting goods store sells right-handed and left-handed baseball gloves. In one month, 12 gloves were sold for a total revenue of \$561. Right-handed gloves cost \$45 and left-handed gloves cost \$52.

Solve the system to determine the number for the right and left handed glove.

12. Southern Cuisine Your family goes to a Southern-style restaurant for dinner. There are 6 people in your family. Some order the chicken dinner for \$14 and some order the steak dinner for \$17. If the total bill was \$99 how many people ordered each dinner?

11. You are buying the meat for a cookout. You need to buy 8 packages of meat. A package of hotdogs costs \$1.60 and a package of hamburgers costs \$5. You spend a total of \$23.

Solve the system to determine the number packages bought.