Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_

**Assignment: Solving Systems by Elimination**

**Solve by using elimination. Show Work!**

1. $2x-5y=-5$ 5. $4x-9y=26$

 $-2x+8y=-58$ $4x+5y=-2$

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

 $5x+y=33$ $-5x+7y=41$

3. $2x+6y=-8$ 7. $12x-3y=-15$

 $5x-3y=88$ $2x+2y=-20$

4. $3x+6y=24$ 8. $3x+y=7$

 $-2x-2y=-6$ $9x-6y=12$

**Define the variables, write a system and solve.**

9. Five tacos and three drinks cost $9.10. Three tacos and one drink

 cost $4.70. How much does one taco cost and how much does

 one drink cost?

10. A theater sold 900 tickets to a play. Floor seats cost $12 each and

 balcony seats cost $10 each. The total receipts were $9780. How

 many of each type of ticket was sold?

11. You are buying decorations for a birthday party. The total for 3 rolls of

 crepe paper and 20 balloons is $11.40. After you start decorating, you

 need more supplies. You buy 2 rolls of crepe paper and 10 balloons for

 $7.20. How much did each roll of crepe paper and each balloon cost?

12. Christy has a coin collection consisting of nickels and dimes. She has 28
 coins worth $2.25. How many of each type of coin does Christy have?