Elimination Quiz

Directions: Use elimination to solve each system of equations. Choose 5 to do, any additional will be bonus points.

1. $x + y = -9$
   $5x - 2y = 32$

2. $2x - 6y = 6$
   $3y + 2x = 24$

3. At a sale on winter clothing, LaLa bought two pairs of gloves and four hats for $43.00. Ashley bought two pairs of gloves and two hats for $30.00. What were the prices for the gloves and hats?

4. $5x + 3y = -10$
   $5y + 3x = -6$

5. Four times a number minus twice another number is -16. The sum of the two numbers is -1. Find the numbers.

6. Collyn is washing and vacuuming cars to raise money for a car. Collyn raised $38 washing 5 cars and vacuuming 4 cars. Collyn then raised $28 by washing 4 cars and vacuuming 2 cars. Find the amount Collyn charged to wash a car and vacuum a car.