Name: _____   Date: _____

Algebra I

Directions: Solve each word problem. Include a let statement, chart, and work to solve. Write your answer as a sentence.

1. Gina had $4.80 in a piggy bank consisting of quarters and dimes. If the number of dimes exceeded the number of quarters by 6, find how many of each coin she had.

2. Ava went to the post office to buy 60 stamps. The number of 25-cent stamps was 15 less than twice the number of 30-cent stamps. If she paid $16.25 for stamps, how many of each kind did she buy?

3. Marco changed a $100 bill for fives and ones. The number of singles is 2 less than the number of fives. Find how many of each bill he has.

4. Piper's coin collection consisted of pennies, nickels, and half-dollars. The number of nickels is 2 more than twice the number of pennies. The number of half dollars is 7 less than the number of pennies. If her coin collection amounted to $3.31, find how many of each coin she has.

5. Paul's stamp collection consists of 15 cent, 20 cent, and 30 cent stamps. The number of 30 cent stamps exceeds twice the number of 15 cent stamps by four. The number of 20 cent stamps is six less than the number of 30 cent stamps. If Paul's stamp collection amounts to $18.05, find how many of each stamp he had.