Algebra I Name: _____

HW 5-6 Solving Word Problems Using Two Variables #2 Date: _____ Per: ____

Use VESA and two variables to solve the following problems.

1. The sum of two numbers is 26 and their difference is 20. Find the numbers.

2. The sum of two numbers is 15 less than twice the first number. Their difference is 5 less than twice the second number. Find each of the numbers.

3. The sum of two numbers is 24. One number is three times the other. What are the numbers?

4. One number is six less than another. The sum of the numbers is 17. What are the numbers?

5. The larger of two numbers is seven more than twice the smaller number. If five times the larger number is subtracted from 12, the result is 17.

6. The sum of two numbers is 10 less than three times the first number. Their difference is 5 less than twice the second number. Find each of the numbers.

7. The smaller of two numbers is eight less than three times the larger number. If twice the smaller number is added to 15, the result is 11. Find the numbers.

8. The difference between three times one number and a lesser one is 37. The sum of the greater number and twice the lesser number is 38. Find the numbers.