Web Assignment #5 – Word Problems

Name:__________________________________________

Due: If turned into me by the beginning of next class I will correct this assignment for you and you will be able to use it to prepare for the next test. The score received on this assignment will not count toward your grade.

(6 points each)

Solve each of the following word problems. Set up each problem by defining a variable, creating an equation, and then solving that equation. Each question is worth 6 points.

1. Six more than five times a number is equal to 51. Determine the number. Summarize your findings with a complete sentence using correct spelling and grammar.

2. The population of a small city is 15,200 and is growing by 825 each year. In how many years will the population be 24,275? Summarize your findings with a complete sentence using correct spelling and grammar.
3. The length of a rectangle is five feet more than the width. The perimeter is 28 feet. Find the dimensions of the rectangle. **Summarize your findings with a complete sentence using correct spelling and grammar.**

4. A jar has nickels and dimes in it. The number of nickels is 3 less than twice the number of dimes. The value of all the coins is $10.45. Find the number of nickels and the number of dimes. **Summarize your findings with a complete sentence using correct spelling and grammar.**