**Math 9 Algebra Word Problems** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Day \_\_\_ Period \_\_\_

 Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer the word problems below showing ***ALL work***.

This assignment will be handed in next class.

1. A number is multiplied by 2 and then the product is added to 9. The result is 49. What is the number?
2. Two is subtracted from a number, and then the difference is multiplied by 5. The result is 30. Find the number.
3. Find two consecutive integers whose sum is 35.
4. Find three consecutive odd integers whose sum is 117.
5. After Ricardo received his allowance for the week, he went to the mall with some friends. He spent half of his allowance on a new paperback book. Then he bought himself a snack for $1.25. When he arrived home, he had $5.00 left. How much was his allowance?
6. While Michelle sat observing birds at a bird feeder, one fourth of the birds flew away when they were startled by a noise. Two birds left the feeder to go to another stationed a few feet away. Three more birds flew into the branches of a nearby tree. Four birds remained at the feeder. How many birds were at the feeder initially?
7. Jung has a total of 92 coins in his coin collection. This is 8 more than three times the number of quarters in the collection. How many quarters does Jung have in his collection?
8. The formula for the perimeter of a rectangle is *P* = 2l, + 2*w*, where l is the length and *w* is the width. A rectangle has a perimeter of 24 inches. Find its dimensions if its length is 3 inches greater than its width.