Name: _____ Date: _____ Row: _____ Period: _____

Assignment #: _____

SECTION 1.5 WORKSHEET

YOU MUST SHOW ALL WORK ON A SEPARATE SHEET OF PAPER

1) You have $120 to purchase cupcakes for a party. Each box of 24 cupcakes cost $5.99. Assuming there is no sales tax, how many cases can you purchase?

2) On a trip to the Grand Canyon, you drove 168 miles in $3\frac{1}{2}$ hours. What was your average speed?

3) A DVD club promises to send 8 DVDs for $1, if you join the club. After you receive the 8 DVDs, you may select more DVDs at a rate of $19.99 per DVD. If you spend a total of $80.96, how many extra DVDs did you purchase?

4) A bag of lawn fertilizer claims that it will cover 5000 square feet of grass. If your yard is 27,500 square feet, how many bags of fertilizer will you need?

5) The lands speed record was broken in 1997 by a British car. The car traveled at a rate of 763 miles per hour. This was accomplished using a jet engine. How long would it take the car to travel 100 miles?

6) You just redecorated your house. You have budgeted $450 for carpeting. If you need 30 square yards of carpeting, how much can you spend per square yard?

7) You and a friend share the driving on a 300 mile trip. Your friend drives for 3 hours at an average speed of 52 miles per hour. How fast must you drive for the remainder of the trip if you want to reach your hotel in 3 more hours?

8) A salesman's salary is $18,500 per year. In addition, the salesman earns 5% commission on the yeaer's sales. Last year the salesman earned $24,500. How much was sold that year?

9) You want to paint a room that will require 320 square feet of paint. The paint you selected costs $21.99 per can. Each can will cover 40 square feet. How much will your project cost?