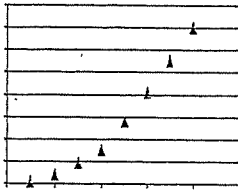# Lesson One – Practice Questions
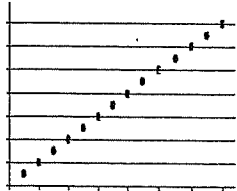
Practice: (if you have a decimal you must round it to TWO place values or hundredths)
If there are WORD questions, finish with a sentence!
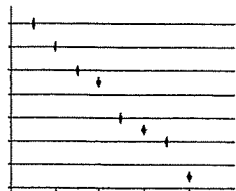
1. Identify which graph is linear, non-linear, no trend.
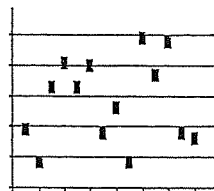
a.   b.   c.   d.

2. During the second week of November, Emma works the following hours: Monday 2, Tuesday 0, Wednesday 3, Thursday 6, Friday 5. Emma's hourly wage is $8.00/hour.

   a. Express the relationship in words.

   b. Express the relationship in a table of values (from Monday to Friday).

	Mon	Tues	Wed	Thurs	Fri
X (hours)					
Y (money)					

   c. Chart these points on the graph provided. Is this a line graph? Is the data continuous?

3. Identify the independent and dependent variables for the following relations:

    a. The number of words typed vs. the time spent at the keyboard.

    b. The cost of stamps vs. the quantity of stamps purchased.

    c. The commission income earned vs. the value of sales.

    d. The number of paper clips vs. the mass of paper clips.

    e. Number of hours worked vs. money earned.

4. A convenience store sells distilled water. The cost of one litre of distilled water is $3.00. Express the relation between volume of distilled water and cost of water sold:

    a. In words.

    b. In a table of values

    c. Chart these points on graph paper.

    d. Identify the independent variable.

    e. Identify the dependent variable.

    f. Extrapolate or Interpolate to find the matching cost or volume to:

        i. 2.5 litres

        ii. 8 litres

        iii. $13.50

        iv. $22.50