Graphing Activity # 1

You are given the following data set showing the number of tadpoles that develop depending on the pH of pond water.

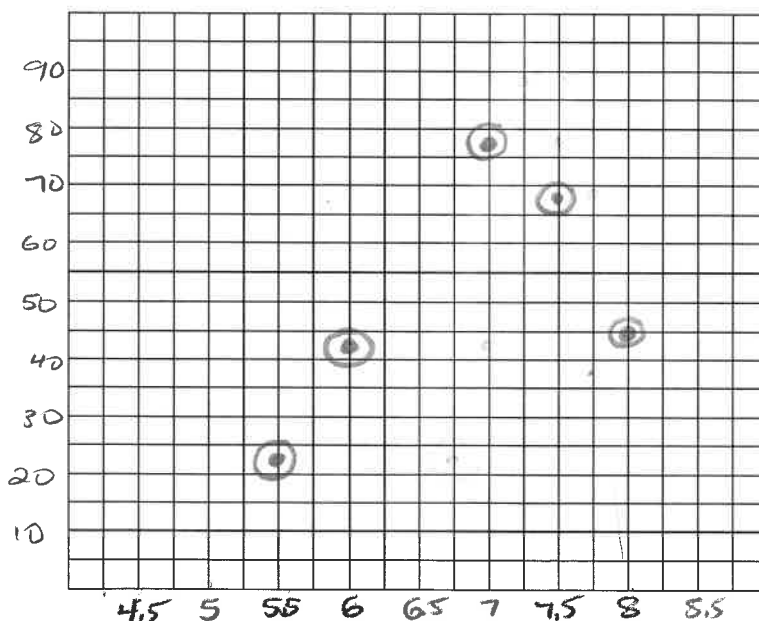| pH of water	Tadpoles
8.0	45
7.5	69
7.0	78
6.5	88
6.0	43
5.5	23

1. What is the independent variable?   pH of water

2. Why is this the independent variable?
   will be changed

3. What is the dependent variable?   # of tadpoles

4. Why is this the dependent variable?
   will change depending on the pH

5. Use the data to complete the graph provided. Remember to title your graph, label the axes properly when setting up your scale, and to use a smoothed line of best fit.

6. Using a complete sentence, state the general relationship between pH and tadpoles.

   The pH has no effect on the # of tadpoles.

Glucose Level vs Time Following Eating

Science 10 Welter
Intro to Graphing

Legend
● Person A
■ Person B

Time (hours)

Glucose Level (mg/dL)