**Sensors and Scatterplots Activity –   
Pre-Activity Assessment**

**Directions**

For each scatter plot below, answer the associated questions. Please use complete answers.

1. The above plot shows a relationship a person’s pulse rate after exercise and time. Describe the relationship shown between the two variables.

1. Is there a positive correlation, negative correlation, or no correlation between the dollars spent at the mall and the number of hours shopping at the mall? Explain.

1. The above scatterplot shows test grades and hours studied for a group of students. Describe the relationship between test grade and the number of hours studied.

1. Use the line of best fit in the scatterplot above to predict what grade a student will get if she studied four hours.