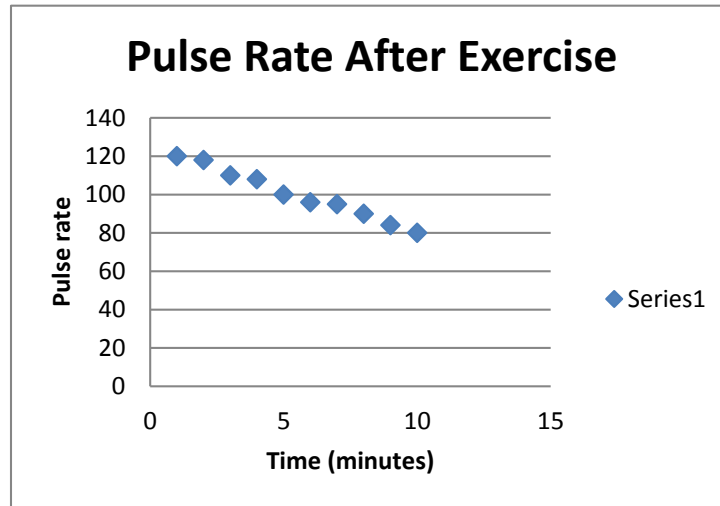**Name:** _____   **Date:** _____

Sensors and Scatterplots Activity – Pre-Activity Assessment

Directions

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

1.

Pulse Rate After Exercise

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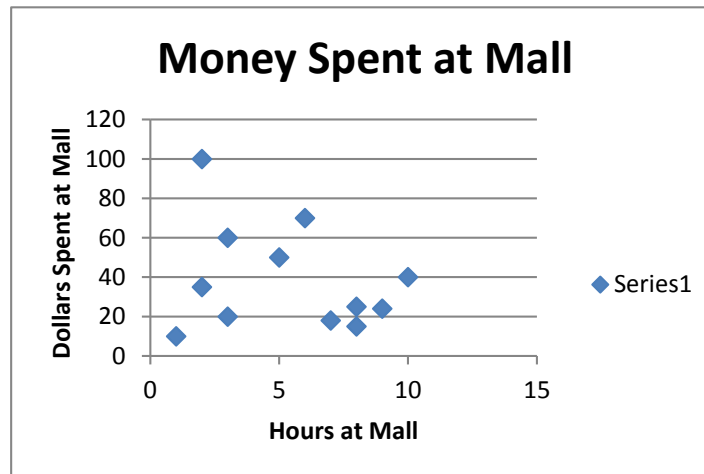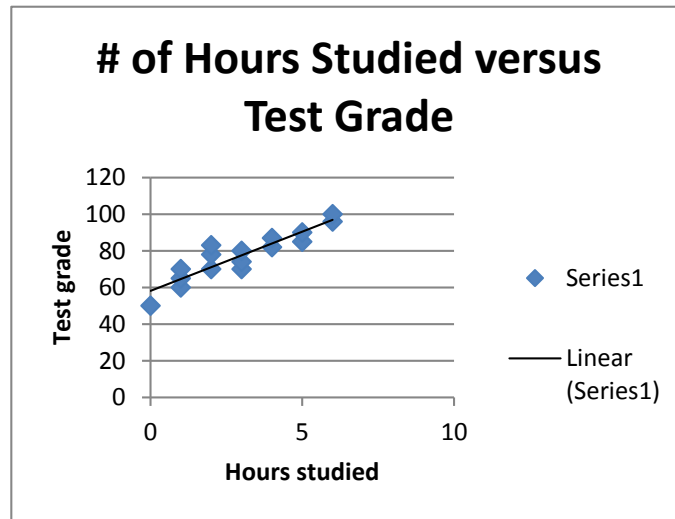
_____

_____

_____

2.

Money Spent at Mall

a. 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.

_____

_____

_____

3.

of Hours Studied versus Test Grade

a. 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.

_____

_____

_____

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

_____

_____

_____