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](image)

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

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2. 

![Money Spent at Mall](image)
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.

![Graph showing # of Hours Studied versus Test Grade](image)

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.