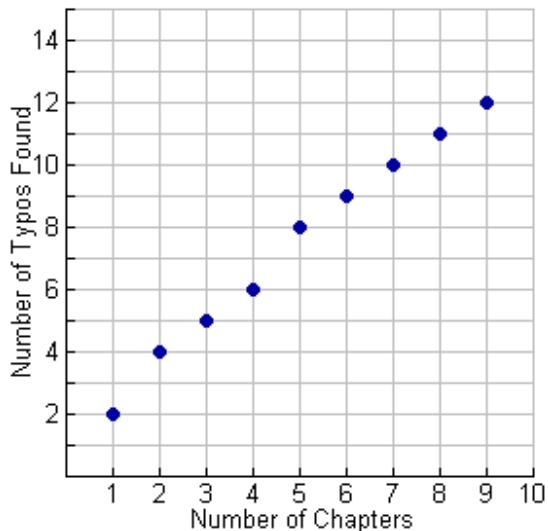Name: _____ Date: _____ Class: _____

Interpreting Graphs Worksheet

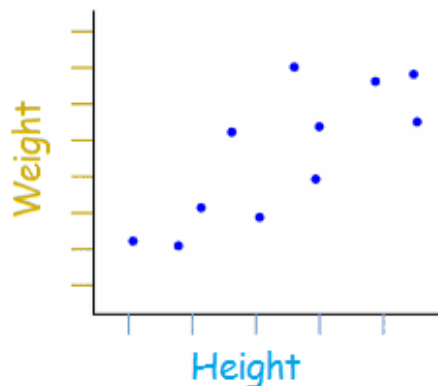1. Given the graph below, answer the following questions:

a. What is the independent variable for this graph?

b. What is the dependent variable for this graph?

c. What can you assume about the relationship between number of chapters in a book and the amount of typos found?

d. About how many typos would you assume to be in a book with 10 chapters?

2. Given the graph below, answer the following questions:
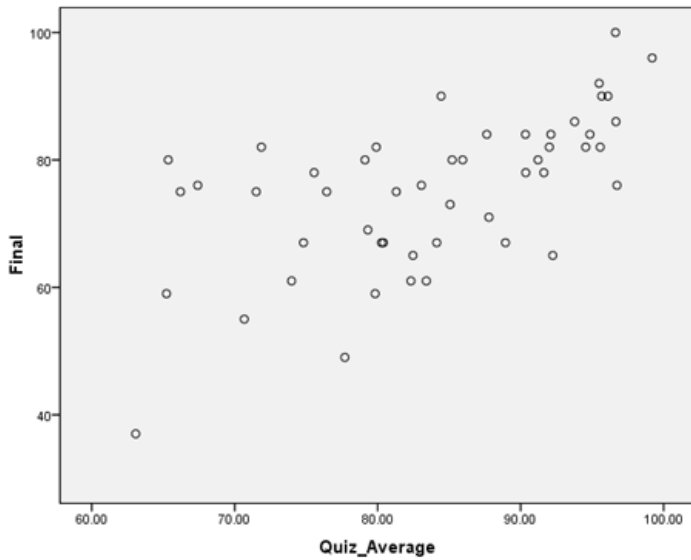

a. What is the independent variable for this graph?

b. What is the dependent variable for this graph?

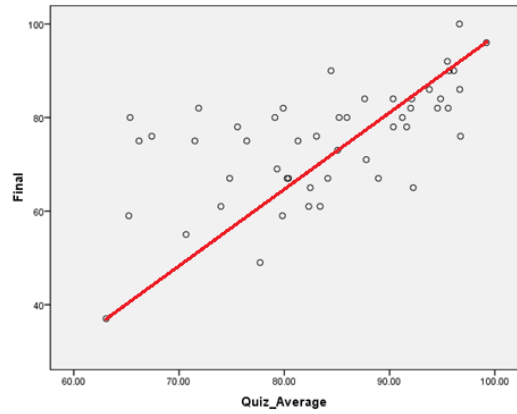c. Write a two-sentence explanation for what the graph is attempting to describe.

d. Assume that the increments for weight are 20 pounds, starting with 50 pounds, and the height increment is by 5 inches, starting with 50 inches. What would you expect a person to weigh if s/he was 80 inches tall?

e. Draw a line on the graph that you believe represents the best fit for weight and height.

3. The graph below shows the relationship between students' quiz averages over a semester and their final exam grades.

e. With a straight line, connect the data point at the far left with the data point at the top right. Does this line best represent the data? Explain.

a. What is the independent variable for this graph?

b. What is the dependent variable for this graph?

c. Write a two-sentence explanation for what the trend of the line is showing, given the two variables.

d. Provide at least three data points on the graph.

Variables and Graphs: What's Our Story? Lesson—Interpreting Graphs Worksheet