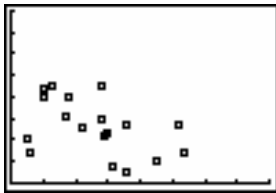


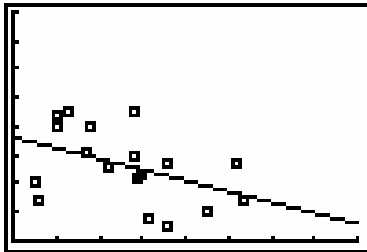
**ESSAY ASSIGNMENT**  
**MAT 108**

A goal of data analysis is to use mathematics to formulate good answers to real-life situations. Some of the questions that should be addressed when analyzing data are : what are the worst case scenarios ? what is the best guess ? is there a dependence or is there no dependence ?

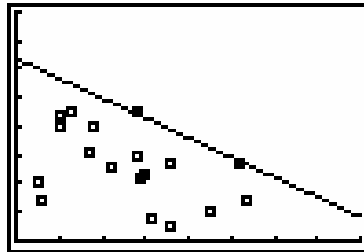
I have provided you with a scatterplot of data points. The scales and units on the axes are irrelevant, although, if you feel compelled, then you are at liberty to choose whatever reasonable scales you wish. The original scatterplot looks like this :



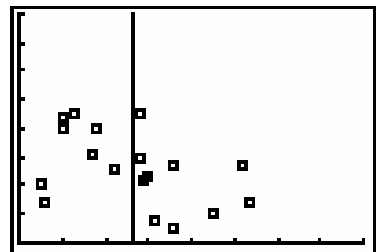
Below are five different graphs. Each graph contains the original scatterplot along with a line graph approximating the points. It is impossible to choose “the best” graph among these five without an additional point of view. Your assignment is to write an articulate, reasoned defense covering the merits of each graph over the others.



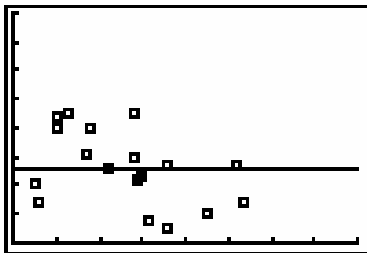
A



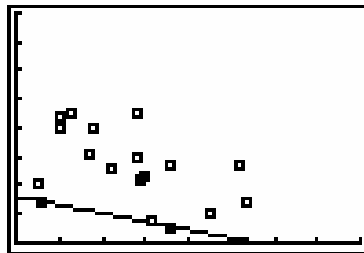
B



C



D



E