Use the data corresponding to your "ID" to answer the following using 'Minitab'.

a) Plot y against x, comment if the simple linear regression is a suitable model?

b) Write the fitted regression line and plot it.

c) Plot the residuals versus fitted values. Comment.

d) What is the predict value of y if x_h="The value in cell C1". Calculate 90% prediction interval.

e) Test if $\beta_1 = 0$, using both t-test and ANOVA.

f) Calculate R^2 then r and interpreted them.

g) Calculate 99% for β_0.

h) comment on the whole results in general in few words.

Good Luck

Weaam