Guidelines for Writing Lab Report for Experiment 24 in Beran, Determination of a Rate Lab

a. Recreate your data table (p 293) in excel

b. Create tables for Trend Points and Linest Analysis of Data for determining p and q (this is a total of 4 tables, 2 x-y-trend tables and 2 linest-tables)

*a and b should be written on no more than two pages*

c. Prepare a full page proper plot for determination of p, make sure to include a line equation with errors

d. Prepare a full page proper plot for determination of q, make sure to include a line equation with errors

e. Using class data, calculate the average and standard deviation of p and q (use just the values of p and q, do not be concerned with the errors)

f. Calculate k’ for all seven trials using your single value of p and q, find the average and standard deviation. *Clearly indicate this average and standard deviation.*

g. Calculate k’ for all seven trials using the average value of p and q found in step e, find the average and standard deviation. *Clearly indicate this average and standard deviation.*

h. Answer questions 2-5 in the post lab section of the report.

i. Do you see any patterns in the values of p and q which might be related to procedure, day experiment was done, time of day, etc. Please explain. Observations are vital here.