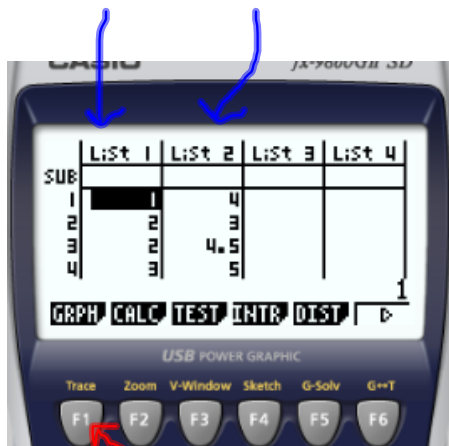


# Linear Regression Instructions for the Casio

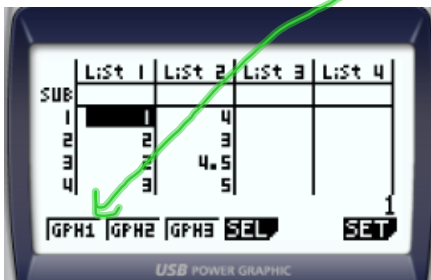
(I am working through #1 on the 2.4 worksheet)

Step 1: From the menu select STAT or #2

Step 2: Enter in your points  
x-values y-values



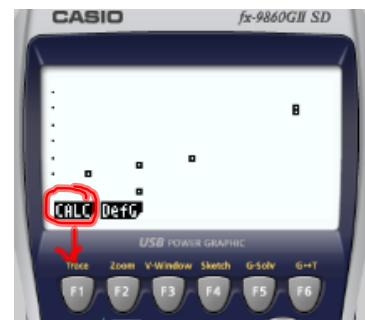
Step 3: Hit GRPH ( **F1** )  
and select GPH1 ( **F1** ) again.




You should be able to see  
your scatterplot. →



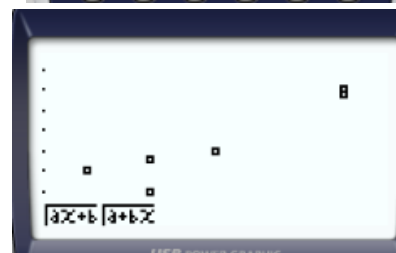
Step 4: To find the regression equation hit **CALC** 

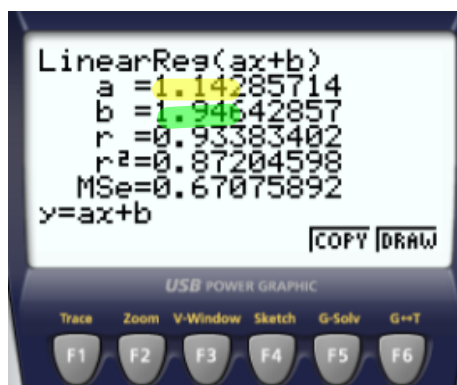


Step 5: You want a linear (x) equation so choose 





Step 6: Choose  $ax + b$  form 

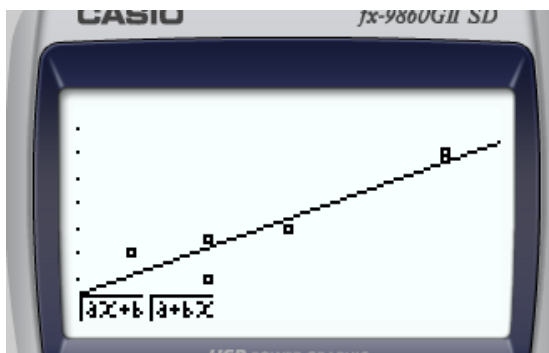




Your linear equation is


$$y = 1.14x + 1.95$$



Step 7: Choose  to copy the equation into y =. Be sure to hit  to store it.

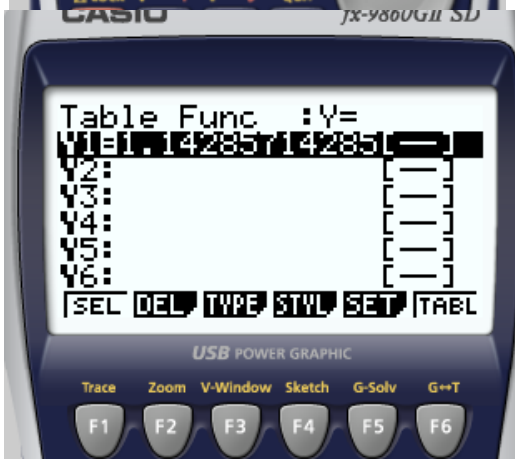


Next, hit  to draw the line on the graph.



Step 8: to use the table function, hit  and select #7 TABLE

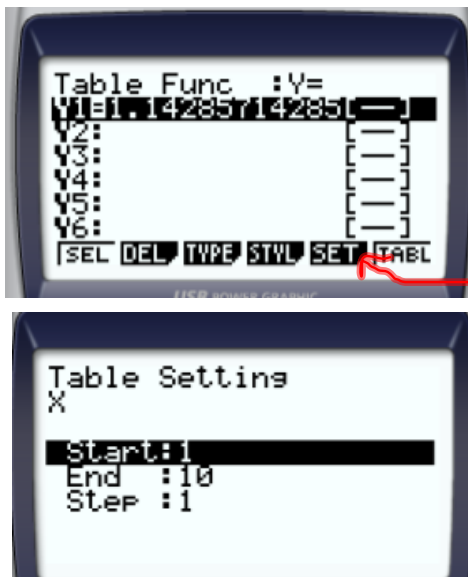
You should be able to see the regression equation you just calculated. Press  to select it. Then press  see the TABL



Arrow down to 10 to find the value of y when x = 10.



If your table is different check how the table is set. Exit **EXIT** once and you should be back here.



Choose **FS** SET and you can tell the table where you want it to start, end and how big of steps to take. Go back to TABL and answer the question. (#1c is 13.75)

