REGRESSION
on the TI-89

To input the data:

1. | APPS |
2. Select **Data/Matrix Editor**
3. | 3 | (*New)*
4. *Type*…..**Data**; *Folder*…..**main**; *Variable*…..enter any name for your dataset
5. | Enter | | Enter |
6. Enter the input values (x) into **c1** pressing | Enter | after every number
7. Enter the output values (y) into **c2** pressing | Enter | after every number

To see the scatter plot of the data:

1. | F2 | (*Plot Setup*)
2. Highlight the Plot you wish to use, | F1 | (*Define*)
3. *Plot Type*…..**Scatter**; *x*…..**c1**; *y*…..**c2**
4. | Enter | | Enter |
5. | ♦ | | F3 | (*GRAPH*)
6. | F2 | (*Zoom*) , | 9 | (*ZoomData*)

To get a regression equation that models the data:

1. | APPS |
2. Select **Data/Matrix Editor**
3. | 1 | (*Current)*
4. | F5 | (*Calc*)
5. *Calculation Type*…..choose appropriate regression; *x*…..**c1**; *y*…..**c2**
6. *Store RegEQ to*…..choose any open/unused y function
7. | Enter |
8. The general equation and coefficients will now appear (**WRITE THESE DOWN!**)
9. | Enter | | ♦ | | F3 | (*GRAPH*)