

Clear the calculator:

`2ND` `+` `7` `1` `2`

Turn STAT DIAGNOSTICS on:

`MODE`

Scroll down until you see STAT DIAGNOSTICS

Highlight ON

Turn on scatter plot:

`2nd` `Y=`

`ENTER`

Highlight ON

Put data into the calculator:

`STAT`

`ENTER`

Put the X's into L1

Put the Y's into L2

Change the WINDOW to reflect the domain and range:

`WINDOW`

XMIN: lowest X number

XMAX: highest X number

YMIN: lowest Y number

YMAX: highest Y number

`GRAPH`

Have calculator determine line of best fit:

STAT

> CALC

Down to number 4

ENTER Until the equation appears

$$Y=ax+b$$

$$a = \underline{\quad}$$

$$b = \underline{\quad}$$

Write out the line of best fit equation

$$Y = \underline{\hspace{2cm}}$$

Put your equation into the graph:

Y=

Type in the equation