Plotting points in STAT mode and transferring to GRAPH mode.

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Select STAT mode from the main menu by using the arrow keys to highlight the STAT icon or pressing 2, THEN . . .

select GRAPH mode from the main menu by using the arrow keys to highlight the GRAPH icon or pressing 5.

Example: Plot the following points (0 , 4) (1 , 4) and (2 , 0) then fit a quadratic equation to these three points.

Answer: Type in the (x , y) co-ordinates in **STAT** mode with the **x** co-ordinates in list 1 and the **y** co-ordinates in the list 2 column.

x co-ordinates   **y** co-ordinates

Press **EXE** after each entry.   Producing ⟶

Now enter into the **GRaPH**ing by pressing **F1**, make sure that the statistical graph **GPH1** is set up as a SCATTER. [To do this enter SET **F6** and alter settings then **EXIT**.
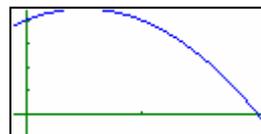

Press **F1** to draw **GPH1**

Now select the graphical model, i.e. a quadratic by selecting **F3**
This shows that the required equation that 'fit' through these three points is $y = -2x^2 + 2x + 4$
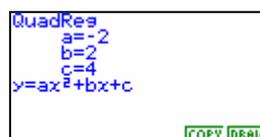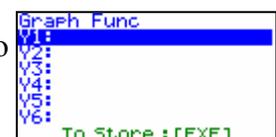

F6 will draw the graph

BUT . . . we want to transfer this equation to the GRAPH icon so that all of the **G-Solv** options are available to scrutinise the equation and graph.
So, before drawing the graph select **F5** to **COPY.**

i.e. from this position.

Takes you to here:
Press **EXE**

Now press **MENU** to return to the **Main Menu** and now enter into the **GRAPH** icon, where you have access to **G-Solv**e **SHIFT** **F5** after the graph has been drawn.