

Graphing Functions using Casio fx-83GT X:

To graph the function: $f(x) = 3x^2 - 7x + 2$ in domain $-2 \leq x \leq 3$

Step 1:

- Press "Menu" and "3" to enter Statistics mode on the calculator.
- You should now see the screen shown on the right.



Step 2:

- Type in the function $3x^2 - 7x + 2$ using the following:



- Press "=" twice, to skip the g(x) screen unless you want to graph two functions at the same time.
- You should now see the screen shown on the right.



Step 3:

- The domain is $-2 \leq x \leq 3$ so enter "-2" as the Start value, "3" as the End value and "1" as the Step value, pressing "=" each time you enter a value.
- You should now see the screen on the right.
- You can use the Down Arrow to navigate down through the table shown to read off all the couples that you have to graph i.e. $(-2, 28)$, $(-1, 12)$, $(0, 2)$, $(1, -2)$, $(2, 0)$, $(3, 8)$



The calculator screen displays a table with two columns: x and f(x). The values are as follows:

x	f(x)
-2	28
-1	12
0	2
1	-2

The number -2 is also displayed in the bottom right corner of the screen.