

Dynamic graphing.

This resource was written by Derek Smith with the support of CASIO New Zealand. It may be freely distributed but remains the intellectual property of the author and CASIO.

Select DYNA mode from the main menu by using the arrow keys to highlight the DYNA icon or pressing 6.



To see what happens to the graphs if one of the co-efficients is changed in the equation.

Example: Graph dynamically $y = Ax + 1$ when A varies from -5 to 5

Firstly, change the **V-Window** (Graph Viewing Window) can now be set up for the graph that you want to see.

To get the **V-Window** press **SHIFT** **F6**



STANDARD SETTING should be sufficient, press **F3** for this setting. Then **EXIT** to return to the previous window.



Enter the function



F4 for VARIation

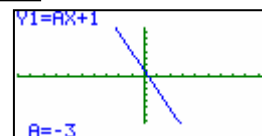
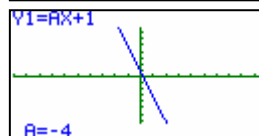
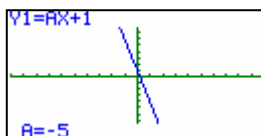


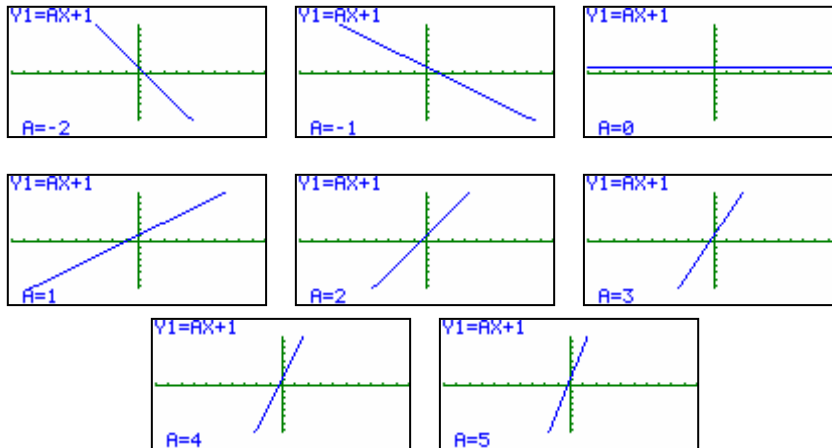
F2 for RANGE

Then **EXIT** to return to the previous window.

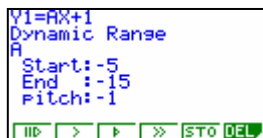
Now, press **F5** for the calculator to **AUTO**matically set up the dynamic graph. You will be greeted with a window like what is shown here:

One Moment Please!





The graphs will move from one to the other automatically. To stop the 'animation' press **EXE** once – this will 'break' the cycle and return you to the window displayed below:



Here you can alter the speed of the animation.

F1 is Stop and go every time you press **EXE**

F2 is 'go slow' auto

F3 is 'go fast' auto

F4 is 'go very fast' auto

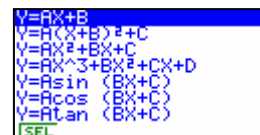
F5 is **STO**re this graph

F6 is **DEL**ete this graph

N.B. There is an 'item bank' of different functions that are available;



Original window
when moving into
DYNA



F5 for **B-IN**