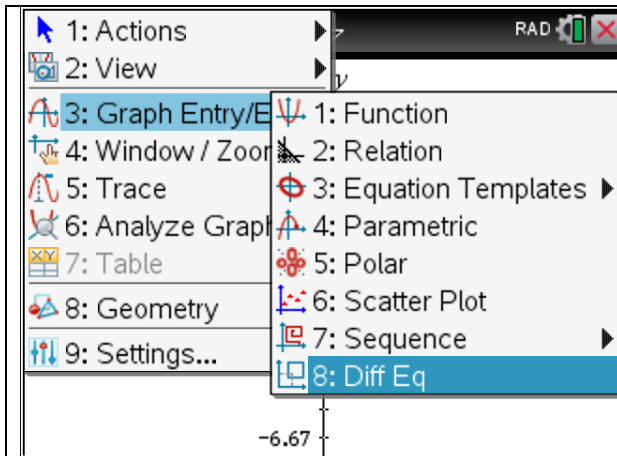
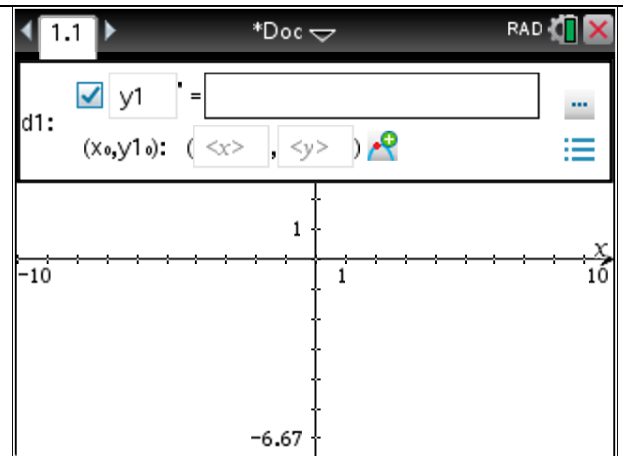


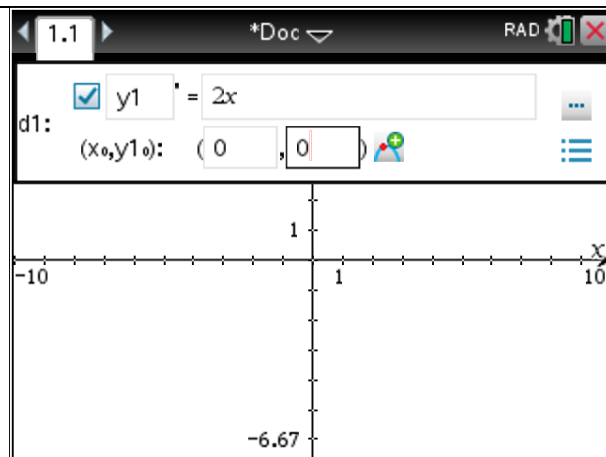
Slope Fields



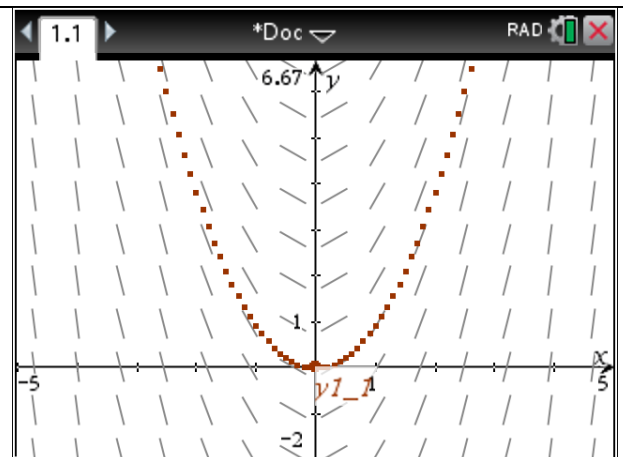
Open a **Graphs** application. Press **menu**
> Graph Type > Diff Eq.



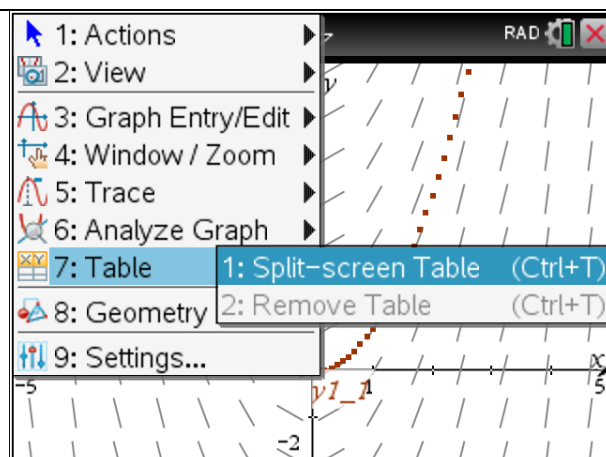
The **Graph Entry Line** will change to allow for inputs for slope fields.



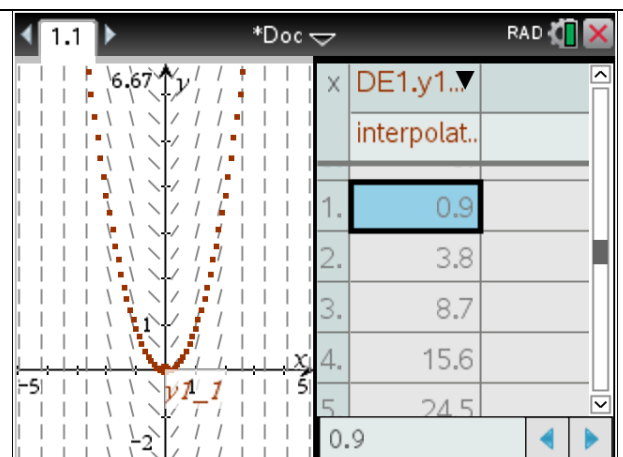
In the **y1** field, input **2x**.
 In the **(x0,y10)** field, input **(0, 0)**.
 Press **enter**.



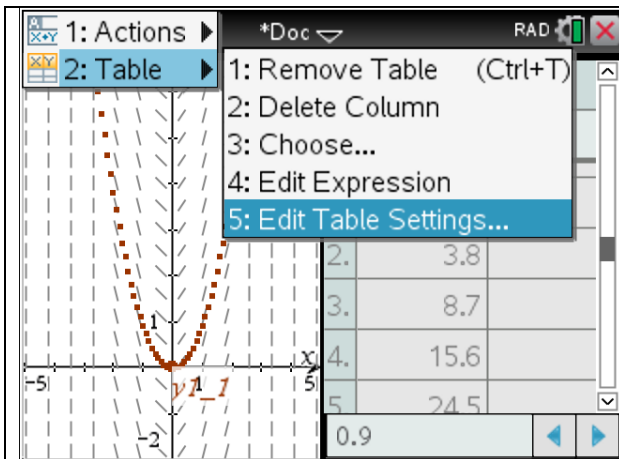
The slope field and specific curve through (0, 0) will appear on the screen.
 Adjust the window settings to suit.



Press **menu > Table > Split-screen Table**.
 (Shortcut is **ctrl + T**)



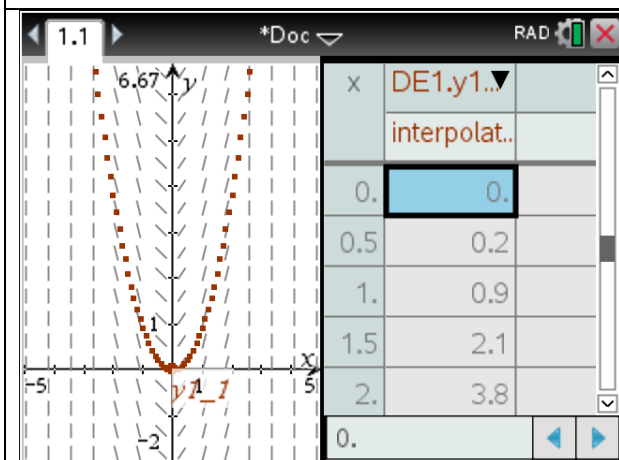
The screen will split, with the right hand side showing the table of values. These values are generated using euler's formula.



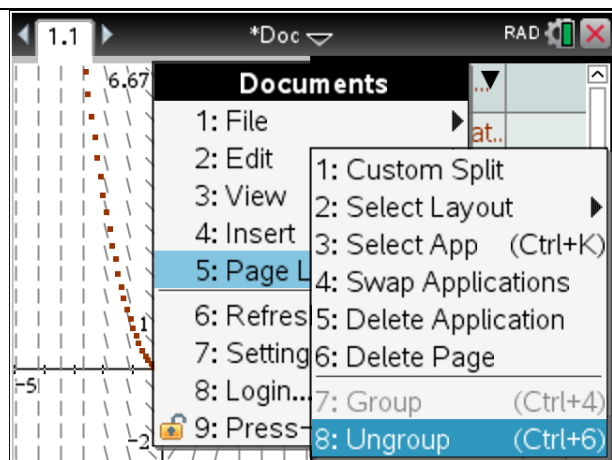
With the cursor in the table on the RHS, press **menu > Table > Edit Table Settings**.



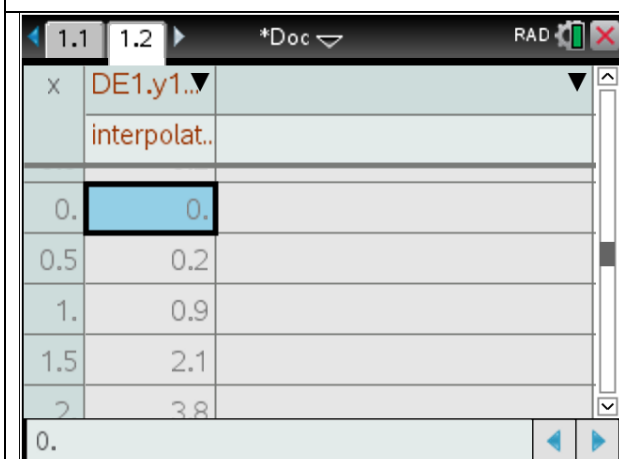
Change the value in the **Table Step**: field from **1.0** to **0.5**. Press **enter** or **OK**.



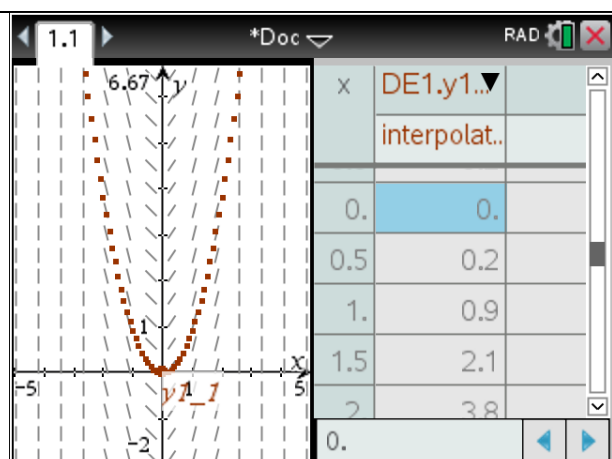
The **x** increment is now set to **0.5**.



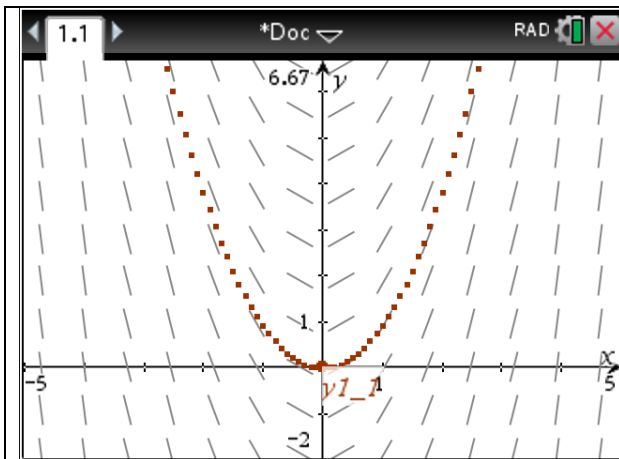
Click on **Doc** at the top of the page. Select **Page Layout > Ungroup**. (Shortcut is **ctrl + 6**)



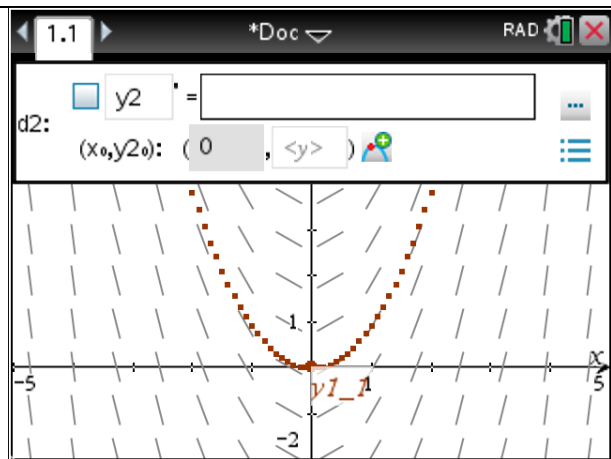
The graph of the equation and the table will appear in separate windows. Select page **1.2** to view the table.



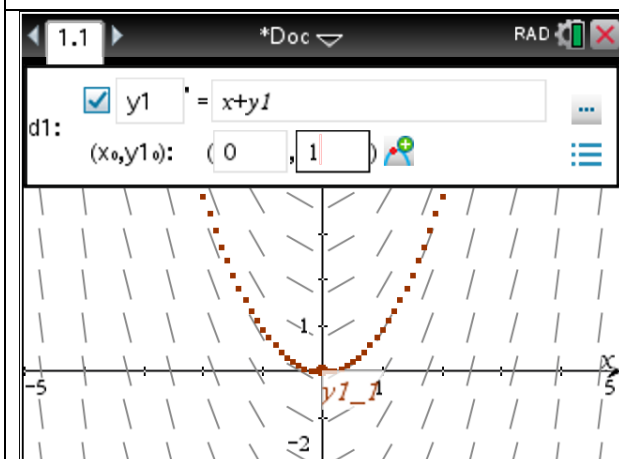
Select page **1.1** and press **Doc > Page Layout > Group** to group the pages together again. (Shortcut is **ctrl + 4**)



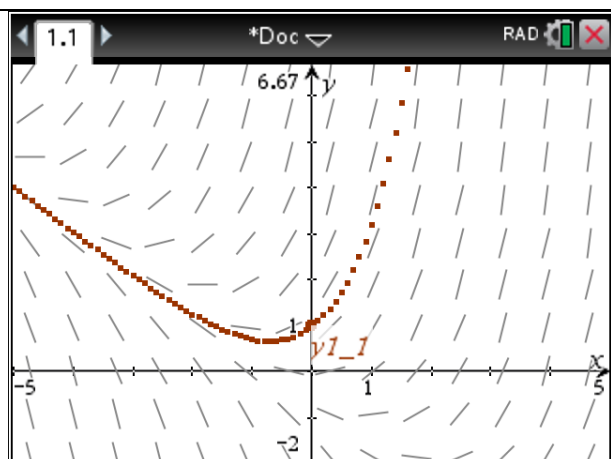
With the cursor in the left window with the graph, press **menu > Table > Remove Table**.
(Shortcut is **ctrl + T**)



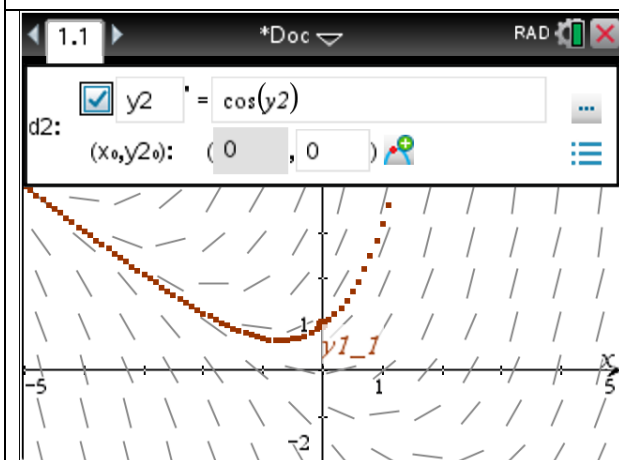
Normally, you can press **tab** or **ctrl + G** to access the **Graph Entry Line**. Because of the split screen actions, press **menu > Graph Entry/Edit > Diff Eq** to input a new equation.



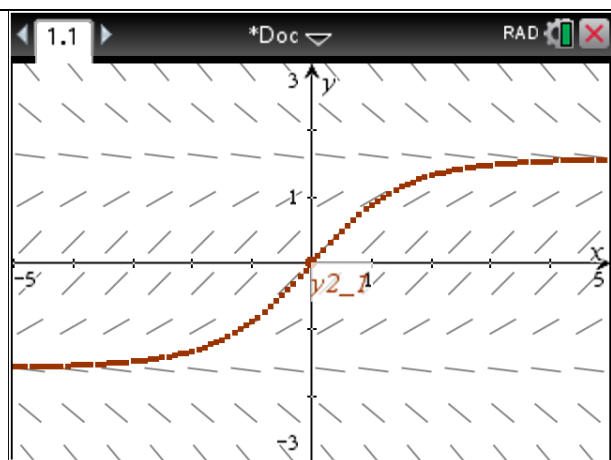
Press the **up arrow** to view to the y1 field. Try other equations. For example
In the **y1** field, input **x+y1**.
In the **(x0, y10)** field, input **(0, 1)**.



Press **enter** to display the graph.



You can input differential equations into **y2, y3**, etc. However, only one equation will graph at a time. Untick the box next to **y1** and tick the box for **y2**.



Press **enter** to graph the differential equation. Adjust the window settings to suit.