TI-Nspire™ Handheld Script

Using the x=c template to graph a vertical line (Tutorial B9)

http://www.atomiclearning.com/k12/en/movie/92859/play_window?type=Tutorial&sid=2410

[00:00:00.00]
You can graph a vertical line by dragging the value to
the axis. I've typed x=5 using the text tool here. I can

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now roll over the text, press and hold the Click key to
grab it, drag it to the the coordinate axis.

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The vertical line is plotted. You can also graph a vertical
line where x=c using a template. To graph a vertical line

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on a coordinate plane at a value on the x-axis, in Graphs
open the Graphs menu by pressing the menu key. Select Graph

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Entry/Edit, Equation, and Line. The templates include slope
intercept, vertical lines, and the standard form of a linear

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function ax+by=c. We want the vertical line function x=
c, so I'll select that to enter that template into the

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Graph Entry line. Now I can enter the value where the vertical
line intercepts the x-axis. In this case, I'll graph the

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vertical line when x=3 by typing "3" there, and then press
enter to see the graph. Using the template also allows

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you to input a variable for "c". With our line graphed,
you can quickly add and compare other math concepts. I'll

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graph the inequality x<4 by pressing menu and then choosing
Actions, Text. Now I can click to insert a text box. I'll

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type x, then press ctrl and the equals key. I'll use the
arrow keys and then click to select the "less than" symbol.

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Now I'll enter 4, and then press enter. To move out of
the Text tool, I'll press esc. I'll grab the inequality

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by rolling over it, and then pressing and holding the Click
key, and then I can use the Touchpad to drag it to the

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x-axis. Once I see the graph appear, I'll click to set
the graph. Now I can compare and explore my lines and their

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relation to the inequality.

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