TI-Nspire™ Software Script

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

http://www.atomiclearning.com/k12/en/movie/XXXXXX/play_window?type=Tutorial&sid=2421

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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, and then click and drag it onto
the coordinate axis. The vertical line is plotted. You

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can also graph a vertical line where x=c using a template.
To graph a vertical line on a coordinate plane at a value

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on the x-axis, in Graphs open the Graphs menu by clicking
Document Tools. Select Graph Entry/Edit, Equation, and

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Line. The templates include slope-intercept, vertical lines,
and the standard form of a linear function ax+by=c. We

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want the vertical line function x=c, so I'll select that
to enter that template into the Graph Entry line. Now I

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

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when x=3 by typing "3" there, and then press Enter or Return
to see the graph. Using the template also allows you to

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

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the inequality x<4 by clicking Document Tools and then
choosing Actions, Text. Now I can click to insert a text

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box. I'll type x, then type the less-than symbol. Now I'll enter 4, and then press Enter or Return. To move out of

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the Text tool, I'll press esc. I'll grab the inequality by clicking it, and then I'll drag it to the x-axis. Once

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

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the inequality.

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