TI-Nspire™ Software Script

Graphing an equation (Tutorial B1)

http://www.atomiclearning.com/k12/en/movie/28233/play_window?type=Tutorial&sid=1674

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To graph an expression, insert the Graphs and Geometry application
into a new page by clicking Insert and choosing Graphs & Geometry.

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Next, make sure you're in Graphing View by clicking View. Here,
you can see that the Graphing View option is grayed out because

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it's the default view, and I'm in that mode. If it's black, choose
it to enter Graphing View. Now, enter your expression at the bottom

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of the application. In this case, my expression is x^2-6x-5. So
I'll enter "x", then press "Shift-6," then "2," followed by the

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right arrow key to move out of the exponent, and then enter "-6x-
5." To plot this graph, I'll press the Enter key on the keyboard.

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Here, you can see that I'm only seeing a portion of this graph,
so I'm going to reposition the graph so that I can see more of the

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parabola. I'll move my pointer into a blank area of the graph
and then click and drag. This allows me to move the graph around

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in this work area, much like grabbing a piece of paper on a desk
and moving it around. Once I've got the graph where I want it

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in the work area, I'll let it go. Let's plot another expression.
I'll click the Entry Line at the bottom of the Graphs & Geometry

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application and enter "x^2" as my new expression, and then press
Enter. Now, I've got these two graphs that overlap each other.

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I'd like to change the attributes of the x^2 parabola to make it easier to differentiate. I'll click the Actions button, and

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then choose "Attributes." Now, I'll roll my pointer over the "x^2" parabola until it turns into an arrow pointing left, and then

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click on it. I can see a list of the attribute options for this curve. I'll use the down arrow key to move to the second option

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in the list, which determines the continuity of the line. Now, I'll press the right arrow key to move to the dashed line option

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and then press Enter. Now it's easy to identify the curve for "x^2." To demonstrate another way to change the attributes of

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an expression, let's change the continuity of the other curve as well. I'm going to click on the expand icon in the lower right

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corner to reveal my two expressions. Notice there are two icons to the left of both expressions. The first one, which looks like

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an eyeball, allows me to quickly hide or reveal the curve for the expression. The second one will change curve attributes. So

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I'll click on this button to the left of the expression "x^2-6x-5." Notice that the attributes pop right up next to this curve.

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Now, just as I did with the other curve, I'll press the down arrow key and move to the second option in the list, and this time I'll

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press the right arrow key to move to the dotted line option, and then press Enter to accept the change. Finally, I'll just press

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Esc to hide the expressions.

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