

Graphing an equation (Tutorial B1)

http://www.atomiclearning.com/k12/en/movie/85845/play_window?type=Tutorial&sid=2410

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To graph an expression, insert the Graphs application into a new page by pressing the Home key, and then choosing

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the Graphs icon. Enter your expression at the bottom of the application. In this case, my expression is x^2-6x-5

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so I'll enter "x," then press the "x^2" key, and then enter "-6x-5." To plot this graph, I'll press the Enter

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

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graph so I can see more of the parabola. I'll move my pointer into a blank area of the graph using the Touchpad. Now,

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I'll select the Grab tool by pressing and holding the Click key for a little less than a second. I'll drag my finger

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across the Touchpad. This allows me to move the graph around on this work area, much like grabbing a piece of paper

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on a desk and moving it around. Once I've got the graph where I want it in the work area, I'll press Esc to let

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it go. Let's plot another expression. I'll press the Tab key to reveal the Entry Line at the bottom of the Graphs

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application. Note that if you have a slider, you'll have to press the Tab key more than once to open the Entry Line.

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I'll 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 press the Menu key,

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and then select Actions, followed by Attributes. Now, I'll
roll my pointer over the " x^2 " parabola until it turns

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into an arrow pointing left, and then I'll click on it.
I can see a list of the attribute options for this curve.

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I'll use the down arrow key to move to the second option
in the list, which determines the continuity of the line.

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Now, I'll press the right arrow key to move to the dashed
line option, and then press Enter. Now it's easy to identify

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the curve for " x^2 ." To demonstrate another way to change
the attributes of an expression, let's change the continuity

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of the other curve as well. This time I'm going to press
Control-G to open the entry line, then I'll press the right

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arrow key to highlight the double arrow on the right. When
I press the Click key, I'll reveal my two expressions. Notice

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that there are two icons to the left of both expressions.
The first one, which looks like a checkbox, allows me

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to quickly hide or reveal the curve for the expression.
The second one will change curve attributes, so I'll use

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the Touchpad to highlight this button to the left of the expression “ x^2-6x-5 ,” and then I’ll press the Click key.

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Now, just as I did with the other curve, I’ll press the down arrow key on the Touchpad and move to the second option

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in the list, then I’ll press the right arrow key to move to the dotted line option, and then press Enter. Finally,

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I’ll just press Esc to hide the expressions.

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