

Graphing an equation (Tutorial B1)

http://www.atomiclearning.com/k12/en/movie/86403/play_window?type=Tutorial&sid=2421

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

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enter your expression at the bottom of the application. In this case, my expression is x^2-6x-5 . So I'll enter

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"x", then press "Shift-6," then "2," followed by the right arrow key to move out of the exponent, and then enter "-6x-5.

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To plot this graph, I'll press the Enter key on the keyboard. Here, you can see that I'm only seeing a portion

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of this graph, so I'm going to reposition the graph so that I can see more of the parabola. I'll move my pointer

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into a blank area of the graph and then click and drag. This allows me to move the graph around in this work area,

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

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work area, I'll let it go. Let's plot another expression. First I'll press the Tab key to bring up the entry line.

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Note that if you have a slider in your work area, you'll have to press Tab more than once to get to 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. Under the Document Tools,

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I'll click the Actions button, and then choose "Attributes. Now, I'll roll my pointer over the " x^2 " parabola until

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

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

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

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

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the continuity of the other curve as well. This time I'll open the Entry line by using the keyboard shortcut Control-

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G. Then I'll click on the expand icon on the right side to reveal my two expressions. Notice there are two icons

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to the left of both expressions. The first one, which looks like a checkbox, allows me to quickly hide or reveal the

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curve for the expression. The second one will change curve attributes. So I'll click on this button to the left of

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the expression " x^2-6x-5 ." Now, just as I did with the other curve, I'll press the down arrow key to move to the



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second option in the list, and this time I'll press the right arrow key to move to the dotted line option, and

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then press Enter to accept the change. Finally, I'll just press Esc to hide the expressions and the entry line.

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