



Graphing in MyEconLab

The following tips and insights are intended to guide you through aspects of the MyEconLab Graphing Tool. This Guide addresses the following topics:

General Tips

1. Plotting a Point
2. Drawing a Line
3. Finding the Slope of Curve
4. Graphing Three Point Curves
5. Labeling Lines or Curves
6. When to Use an Arrow

General Tips

NEVER USE the **Back Button** on your browser to navigate backwards when using MyEconLab.

Graph only what you have been specifically asked by the graphing exercise. If you have provided more information, delete it before submitting, as **MyEconLab** will recognize too much information as an error.

If a graph has no information, or not enough information to answer the questions, moving your mouse pointer over the graph and/or clicking on the graph will usually provide the required information.

Browser Recommendations:

Internet Explorer is preferred over Netscape Navigator.

America Online users should use Internet Explorer as their browser window (connect to the Internet with AOL, then minimize the AOL browser window and open Internet Explorer or Netscape).

MyEconLab is **not** compatible with Mozilla Firefox.

For technical support, contact Pearson Technical Support:

URL: <http://247.global.pearsoned.com/> (best method)

email: online.support@pearsoned.com

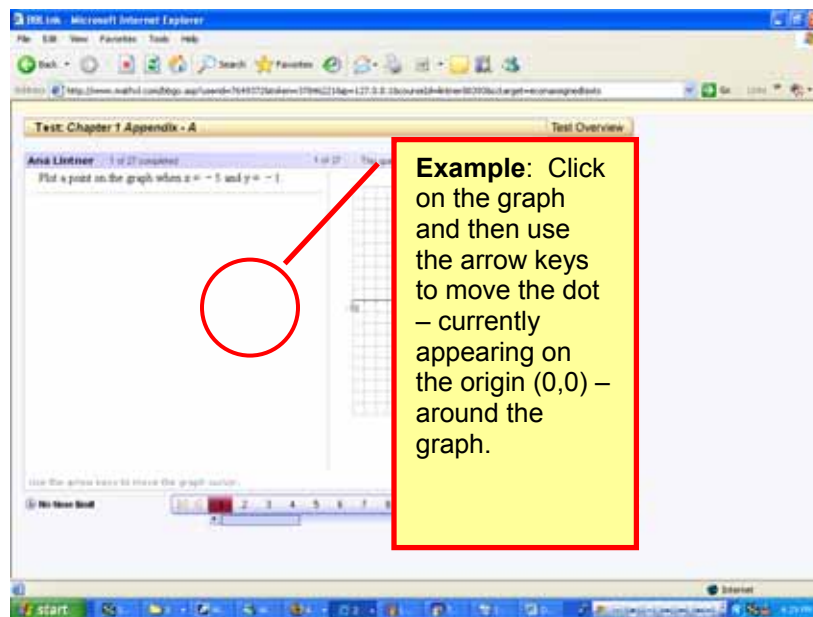
tel: 1-800-677-6337 (8 am - 5 pm CST Monday-Friday)

fax: 1-847-486-3698

Graphing in MyEconLab

Plotting a Point

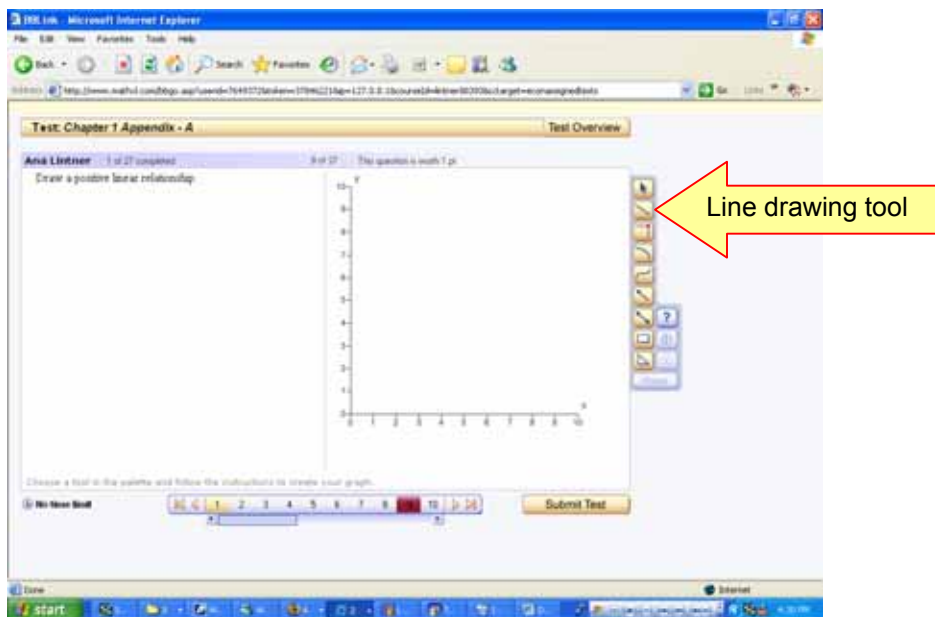
1. You will see a few different types of graphing exercises in the Sample and Assigned Tests. The first involves plotting a point. You click on the graph and then use the arrow keys to move the dot – currently appearing on the origin (0,0) – around the graph.



Graphing in MyEconLab

Drawing a Line

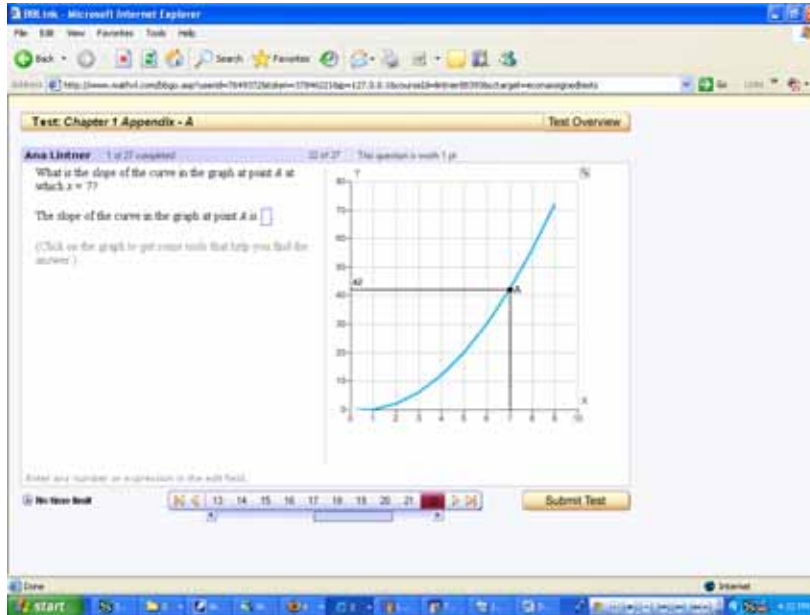
2. Another type of graphing question requests that you draw a line. Click on the line tool in the palette (**second button from the top on the right hand side of the graph**) and you will be able to draw a line on your graph.



Graphing in MyEconLab

Finding the Slope of a Curve

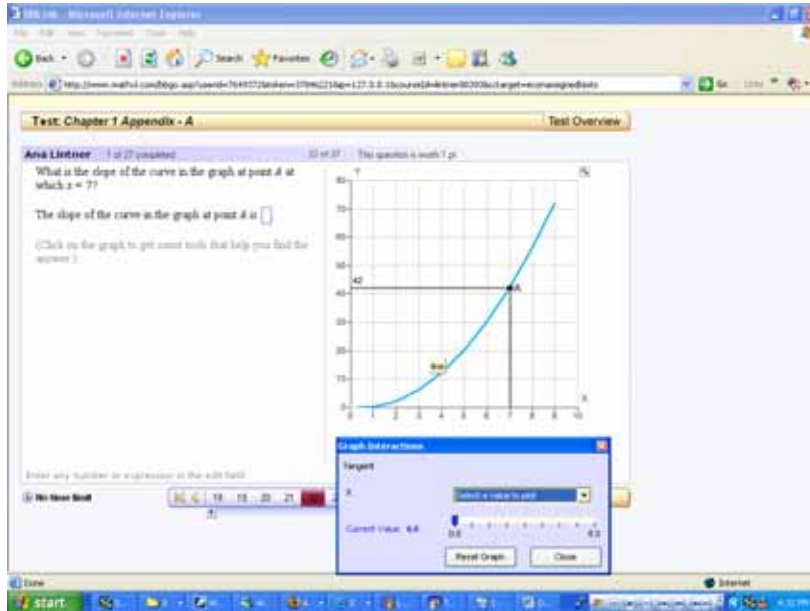
3a. A third type of question asks you to find the slope of a curve. To do this, you must first find the line that is tangent (just touches) the curve at the indicated point A. Click on the graph and you will be provided with tools to assist you in doing this.



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Finding the Slope of a Curve

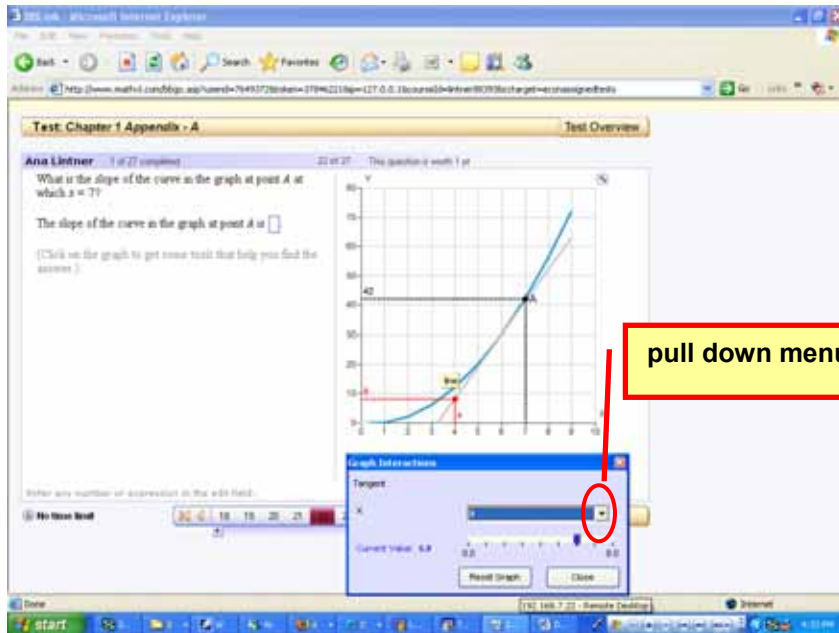
3b. When you click on the graph, the “Graph Interactions” box will appear. You move the bar in the centre of the Graph Interactions box until the value of X is the same as indicated at point A. This will provide the line that is tangent.



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Finding the Slope of a Curve

3c. Then, use the pull down menu in the Graph Interactions box to select a value for X that falls somewhere on the tangent line. Using point A and the point created on the line, you can now calculate the slope of the tangent.



The screenshot shows a web browser window displaying a MyEconLab test page. The page title is "Test: Chapter 1 Appendix - A". The question asks for the slope of a curve at point A. A graph is shown with a blue curve and a red tangent line at point A. The x-axis ranges from 0 to 10, and the y-axis ranges from 0 to 80. A red box highlights the "Graph Interactions" dialog box, which has a pull-down menu for selecting an X value. A red arrow points from the text "pull down menu" to the pull-down menu in the dialog box. The dialog box also shows a "Current value" of 6.8 and buttons for "Reset Graph" and "Close".

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Graphing Three Point Curves

4. Another type of question involves graphing three points. Use the 3-point curve tool from the palette (4th from the top, at the right hand side of the graph).

The table shows some data on the quantity of ice cream consumed at different prices and at different temperatures. Draw the relationship between the quantity of ice cream consumed and the price of ice cream when the temperature is 10 degrees C and label it 10. Draw the relationship between the quantity of ice cream consumed and the price of ice cream when the temperature is 20 degrees C and label it 20. And draw the relationship between the quantity of ice cream consumed and the price of ice cream when the temperature is 30 degrees C and label it 30.

Temperature (degrees C)	10	20	30
Price (\$ per cone)			
0.50	20	26	40
1.50	10	16	30
2.50	6	10	20

Quantity (cones per day)

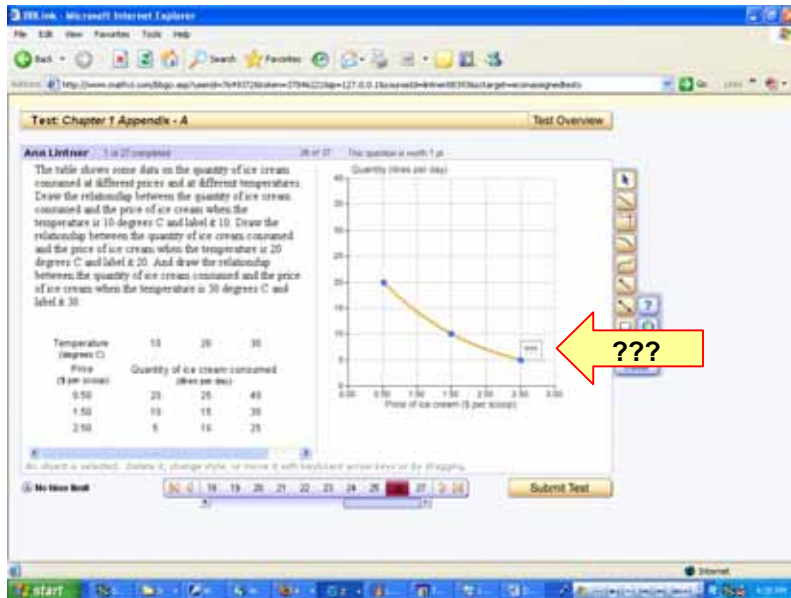
Price of ice cream (\$) per cone

3-point curve tool

Graphing in MyEconLab

Labeling Lines or Curves

5a. If you are asked to label a line or curve, when you draw the line/curve a small box with three question marks (???) will appear at the end of your line/curve. If the ??? does not appear, then you have used the wrong tool to draw the line/curve. Delete your line/curve and choose the other tool.



Graphing in MyEconLab

Labeling Lines or Curves

5b. If you click on the ??? a pull down menu will allow you to choose a label.

The table shows some data on the quantity of ice cream consumed at different prices and at different temperatures. Draw the relationship between the quantity of ice cream consumed and the price of ice cream when the temperature is 10 degrees C and label it 10. Draw the relationship between the quantity of ice cream consumed and the price of ice cream when the temperature is 20 degrees C and label it 20. And draw the relationship between the quantity of ice cream consumed and the price of ice cream when the temperature is 30 degrees C and label it 30.

Temperature (degrees C)	Price (\$ per scoop)	Quantity of ice cream consumed (liters per day)
10	0.50	20
	1.50	10
20	0.50	25
	1.50	15
30	0.50	40
	1.50	20

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When to Use an Arrow

6. Sometimes you will be asked to use an arrow to show a change in Quantity Demanded/Supplied. You only need to use the arrow to show a movement along a Demand Curve (change in quantity demanded) or a Supply Curve (change in quantity supplied). If there is a change in Demand or Supply, you will show it by having in second (shifted) Demand Curve or Supply Curve.