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Octave Tutorial and Plotter Results

From the Octave tutorials that I watched, I learned how to plot a line on a graph. First, I needed to designate parameters for x using the command *linspace* and opted to use -2, -1, 0, 1, 2.

Chart

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Next, I set up the y=mx+b formula in the form of y1 = 0.5\*x1+1.

A picture containing graphical user interface

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As a note, I learned to make sure that both x1 and y1 have to be the same size for the plot to work. In order to do this, I needed to use the built-in command *length* to determine the length of the vectors x1 and y1.

Text

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Next, I added ‘ro-‘ to add markers to show where each point is located on the line as red circles.



Next, I added grid lines, a title, and labels to make the graph look more presentable:

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The final product for the plotter is as follows:

Chart, line chart

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