Creating a Graph with MathGV Plotting Software

1. Go to the website provided on the Instructor site.
   (http://www.mathgv.com/index.html). Click on "Download V.3.1" on the left menu.
   This screen will appear:

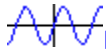   I use the Zip File Version, so let's click on that.

MathGV Function Plotting Software

Download Version 3.1 of MathGV

➡The "install" and "no install" files both contain the same program, help, and example files.

➡This program requires no special changes to your configuration files, "ini" files, "dll" files, or system registry.
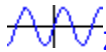
Install Program Version
The following version uses a self extracting install program (Install Shield). This version is easier to setup and is recommended for most users.

Install Program Version; (mgv3_1.exe); 1,654,354 bytes

Version With No Install Program
The following zip file version has no install program, it requires manual installation. To use, unzip the files into subdirectory and run the program "exe" file.

Zip File Version, No Install Program; (mgv3_1.zip); 765,764 bytes

MATHGV HOME

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2. Click on "Open," then "mathgv.exe." Now we're ready to go.

3. Click on "File," then "New 2D Cartesian Graph."

4. Click on "Function," then "New 2D function."

5. Type in your function. Note that you decide the lower bounds and upper bound for the input.

6. Note also that under "Properties," you can determine the width of the graph and also the color.

7. Note the variety of zoom features on the tool bar: Zoom in, zoom out, zoom X-axis in, zoom X-axis out, zoom Y-axis in, zoom Y-axis out, Scroll Up, Scroll Down, Scroll Left, Scroll Right, Page Up, Page Down, Page Left, Page Right.   You might want to experiment with each of these tools.

To Edit your function:

8. Click on "Function," then "Edit Function List…," then "Modify…."   After editing your function, click on "Okay."

To add another function onto the same grid:

9. Click on "Function," then "New 2D Function" and continue as before.

To save as a .jpg or .bmp file:

10. Click on "File," then "Save as Picture File…." Name it however you like and choose either ".jpp" or ".bmp." NOTE: The software saves the entire viewing window that you selected, NOT JUST THE PART   VISIBLE ON THE SCREEN. You can use the scroll bar on the right to decide if the viewing window is what you want. If not, see #7 above.

To insert a graph into your document:

11. In your Word document, click on "Insert," then "Picture," then "from File…"   Click on the picture file you saved.

To adjust the size and placement of the graph once it is in your document:

See #11 on the "Creating a Graph in Geometer's Sketchpad" directions.