

User Manual

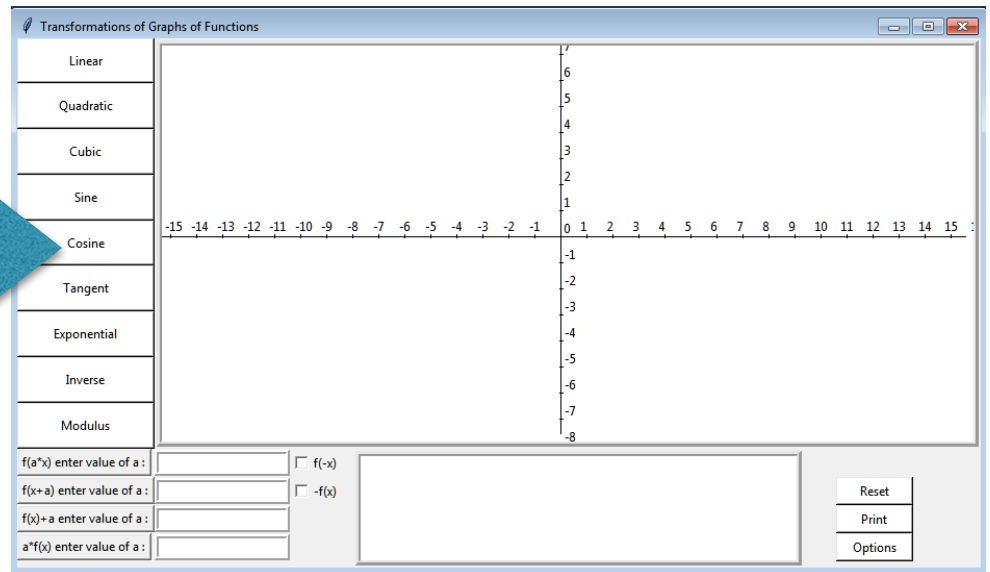
Transformations of Graphs of Functions

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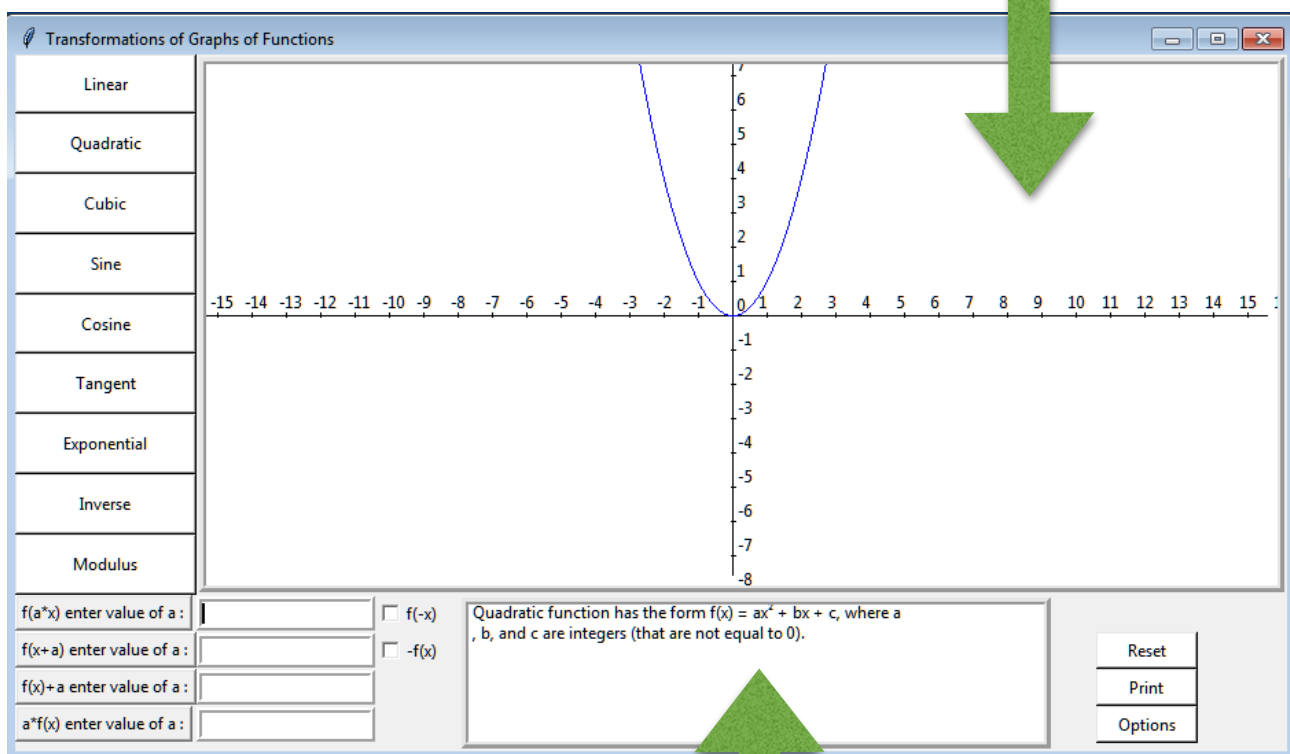
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Selecting a Function

You're able to select one of the nine functions from these large buttons on the left hand side of the program.



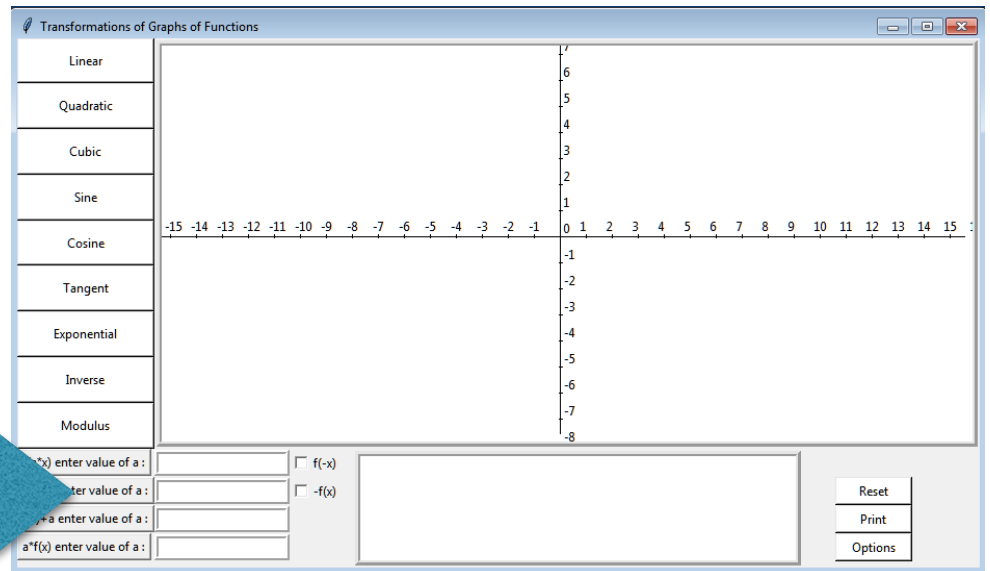
The function you have selected will be displayed in the big screen here.



A description of the function you have selected will be displayed in this smaller screen here.

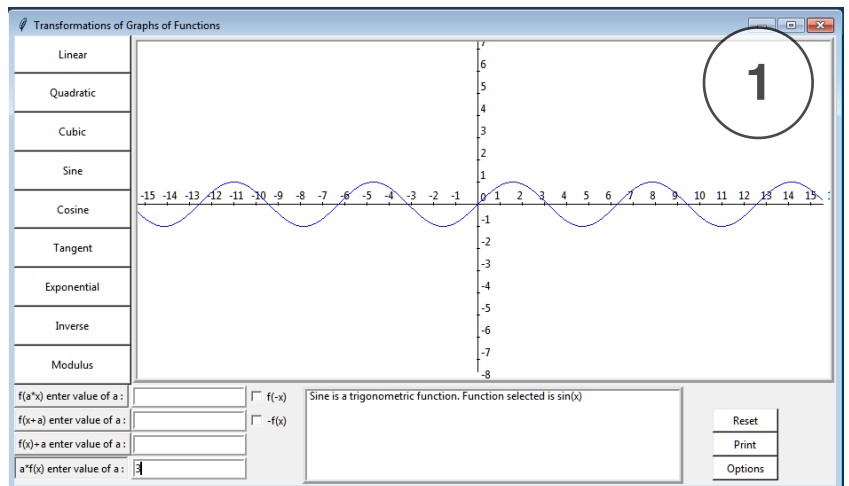
Selecting a Transformation

You're able to select one of the four functions transformations from these input boxes down here.



To transform a function you have to:

1. **Select a function** from one of the big buttons
2. **Type** in a number (can be whole number or decimal) into the input box of the transformation you want then **click** on the button stating the transformation
3. You should be able to see your **transformed graph**



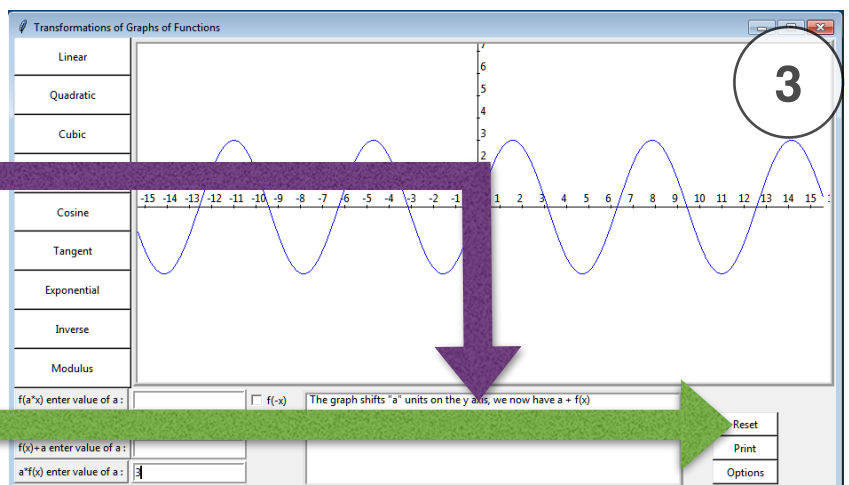
$f(a \cdot x)$ enter value of a :
 $f(x+a)$ enter value of a :
 $f(x)+a$ enter value of a :
 $a \cdot f(x)$ enter value of a :

2

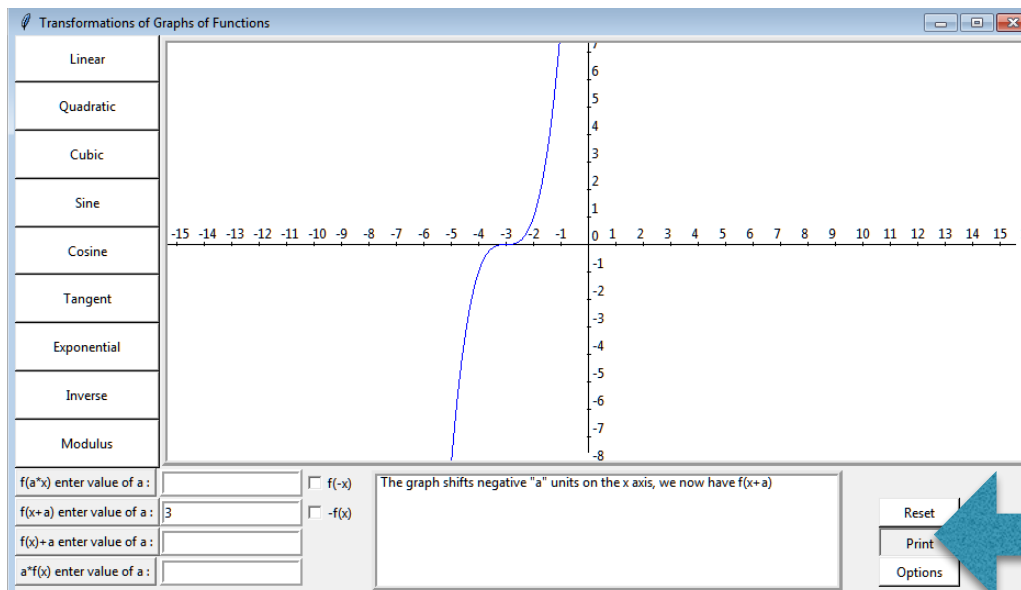
To do multiple transformations on one function, you just repeat steps 2 and 3 above.

A description of the transformation applied is produced too.

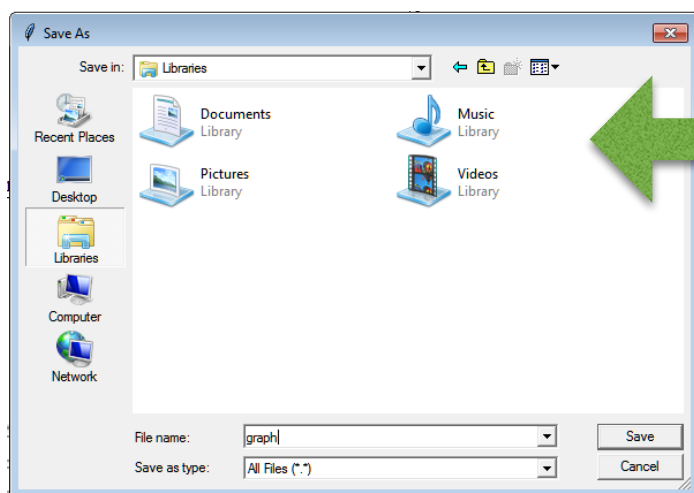
You're able to remove all the transformations applied by hitting 'Reset'.



Printing a Graph



To save then print your graph, first hit the 'Print' button in the bottom right hand corner.



You can then save the graph where you want in your computer.

graph.ps

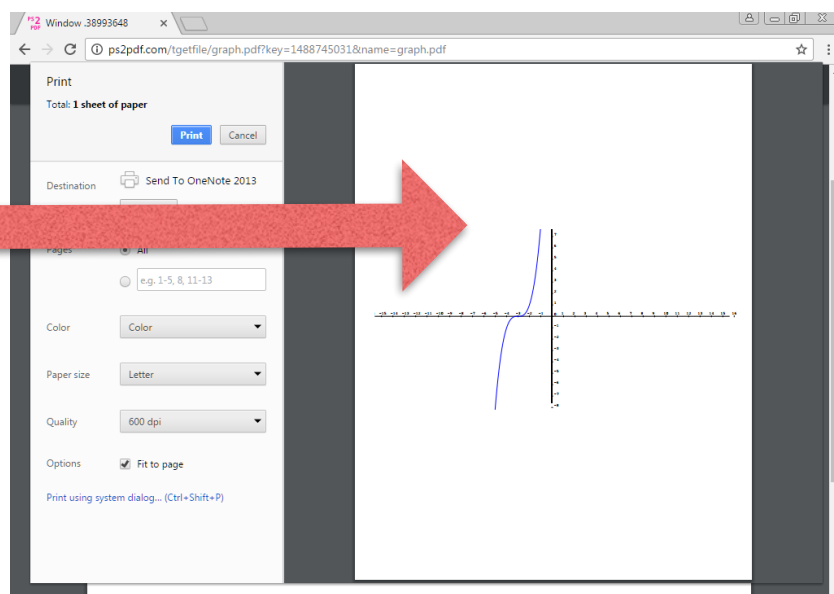
Your graph file will be saved with 'ps' at the end. This means that it is in a PostScript format.

The file is saved in a 'PostScript' format for this current version of the program. To convert it into a printable PDF file, use one of the following **online converters**:

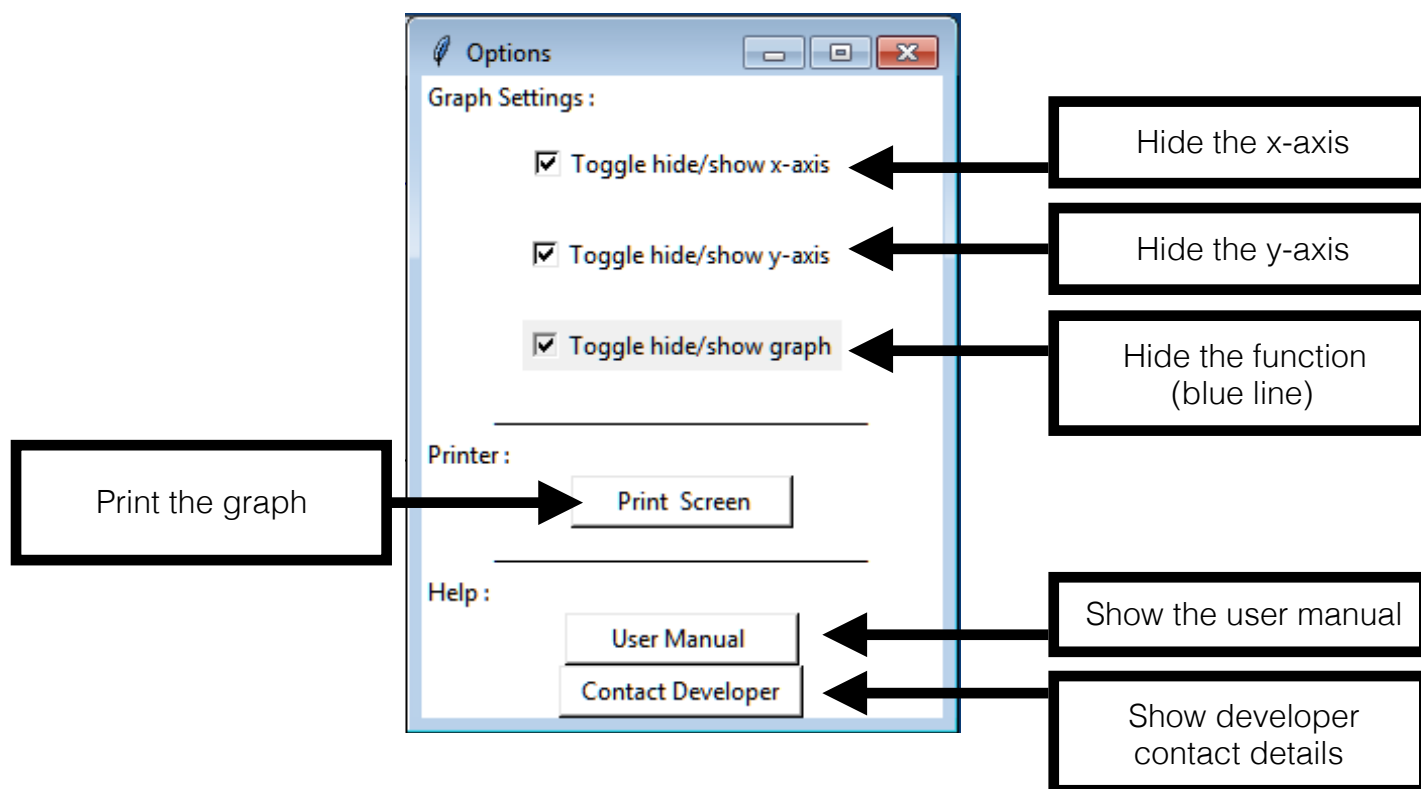
PS2PDF.com
The Online Converter

 **ONLINE2PDF.COM**

 **ZAMZAR**
Free online file conversion



Using the Options Menu



Printing Tip:

If you hide any axes or the function from the options menu, they will be hidden when you print the graph!

