

# **Virtual TI-83 Graphing Calculator**

*~A guide by Fogus*

## **Introduction**

It has become evident to me that a considerable amount of time and energy has been wasted on physical calculators for math courses. Carrying an extra device, such as a TI-83 calculator is unnecessary for the simple reason that a laptop is many orders of magnitude more powerful than common graphing calculators are. It is with this in mind that I am distributing information on vitalizing the TI-83 in particular, as well as several other TI-8x series calculators on the Windows operating systems.

## **Software**

The software that I suggest and will be basing this guide off of is Virtual TI (VTI). This software is available on this disk, as well as on the website, <http://www.ticalc.org/archives/files/fileinfo/84/8442.html> (Linux version from <http://www.ticalc.org/archives/files/fileinfo/355/35552.html> )

## **Installation**

This software is standalone, which means that no installation is necessary. Run the Vti.exe executable (double click).

I have built this package so that the calculator which will launch will be the TI-83. If you wish you may change this. To make this change, make sure the program is closed, then delete the file ti83.rom file under the main program directory (Virtual TI\83.rom). The program will ask you for either connectivity to your TI calculator or a ROM image already stored on your hard disk. I have provided several ROM images, not all of which seem to work properly. If you wish to use a different ROM image that I have provided you may do this by selecting one of the files under the Virtual TI\TI-RomPack\ folder. If you wish to import your own calculators ROM image, you may do so using the wizard (select the first option), however you will need fancy cables for the older calculators and some time to mess around with COM ports.

I have provided a hassle free, tested and working package.

## **ROM Images Provided**

The following are ROM images I have collected and have included in the Virtual TI\TI-RomPack\ folder.

TI-73

ROM Version: Graph Explorer Software 1.60

ti73.rom

TI-82  
ROM Version: 18.0  
ti82.rom

TI-83  
ROM Version: 1.07000  
ti83.rom

TI-83 Plus  
ROM Version: OS 1.16  
ti83p.rom

TI-83 Plus Silver Edition  
ROM Version: OS 1.16  
ti83plus-se.rom

TI-84 Plus Silver Edition  
ROM Version: OS 2.41  
ti84se.rom

TI-85  
ROM Version: 9.0  
ti85.rom

TI-86  
ROM Version: 1.3  
ti86.rom

## **Donations**

The cost of producing this distribution is approximately \$50 for all the CDs I produced (A duplication machine was used to produce the copies. Unfortunately this machine was not free). If you wish, you may drop me a dollar or two sometime to help cover the costs of production.

## **Legality**

The Virtual TI software is free software.

One may only (legally) use the various ROM images if you actually own the calculator which the ROM image came from. One must not (legally) distribute ROM images.