[1.17] Quick tips

This section summarizes things that perplex some new users. If you read this one page, you'll be able to use your calculator much more effectively.

- 1. To run a program, type in the program name followed by "()", then press [ENTER]. For example: game() [ENTER]. If the program is not in the current folder, type the folder name with a backslash before the name, for example: main\game() [ENTER].
- 2. Make sure the GraphLink cable is plugged in firmly to the calculator connector. Push hard. The TI-89 has this problem more than the TI-92 Plus.
- 3. Use new batteries when upgrading the AMS with the GraphLink, or the upgrade may fail, and then you will have to install the AMS from a computer.
- 4. The latest version of the GraphLink software from TI may fix linking problems. Get it here: http://education.ti.com/product/accessory/link/down/download.html. Also make sure you have chosen the correct cable type (black or gray) and the right serial port.
- If you want exact fraction results (like 1/3), press [MODE] and set Exact/Approx to Exact or AUTO. For approximate fractions (like 0.3333), set Exact/Approx to APPROXIMATE. Or, include a decimal point with one of the numbers: 1./3. Or, press [DIAMOND] [ENTER] instead of [ENTER].
- There are no cube root or nth-root keys or functions. To find the cube root of x, use x^(1/3). To find the nth root, use x^(1/n).
- There is no key for 'log', the base-10 logarithm. To find log(x), type in [L] [O] [G] [(] [x] [)] [ENTER]. Or select *log(* from the [MATH] menu.
- 8. To find the base-b logarithm of x, use $\log_b(x) = \log(x)/\log(b) = \ln(x)/\ln(b)$.
- 9. To plot a vertical line in the Y= function editor at x=a, use y1(x)=when(x<a,-9E999,9E999)
- 10. There are no built-in functions for secant, cosecant and cotangent. You can define these functions yourself.
- 11. There is no built-in interpolation function. Define your own interpolation function with Define intrp(xa,xb,ya,yb,x)=ya+(x-xa)/(xb-xa)*(yb-ya). xa and xb are the x-values, ya and yb are the y-values, and x is the value at which to interpolate for y.
- 12. Temperature conversions are not in the UNITS menu. Instead, use tmpCnv() (to convert temperatures) and ΔtmpCnv() (to convert temperature ranges or differences).
- The STAT VARS screen (ShowStat command) shows sample standard deviation, not population deviations. Display the population standard deviation by entering σx or σy. To enter the σ character, use [DIAMOND] [(] [alpha] [S] on the TI-89, or [2ND] [G] [S] on the TI-92 Plus.
- 14. To find double and triple integrals, nest integral functions, for example, $\int (\int (f(x,y),y),x)$.
- 15. On the TI-89, the 'space' character is [alpha] [(-)].
- 16. There is no built-in quadratic equation solver. Use zeros(a*x^2+b*x+c,x)
- 17. Previous results stored in variables can cause wrong results. Press [F6] (for the Clean Up menu), then use Clear a-z or NewProb to delete old variables.
- 18. The small manual that comes with the calculator does not cover all features. For the full manual, go to http://education.ti.com/global/guides.html. You can also buy a printed manual from TI.
- 19. ticalc.org has games.
- 20. Most TI-89 programs will run on the TI-92 Plus and vice versa. Exceptions are ASM programs, programs which use specific key codes, and programs which use the larger TI-92+ display.