

# QUICK GUIDE

TI-84 & TI-83

(ANY VERSION)

# TI-83 & TI-84 (any edition) Calculator Basics

... More useful things  
on the calculator

**TI-84 Plus CE**

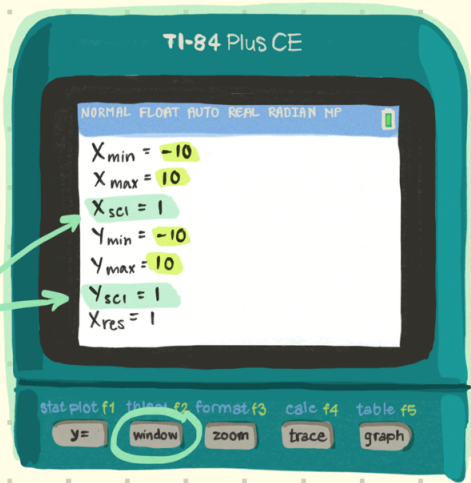
- FOR ANYTHING written in **blue**, press **2nd** before the button you want
- FOR ANYTHING written in **green**, press **alpha** before the button you want
- ON & OFF** button
- Y=** button: Press to Enter in the equation
- graph** button: Press to create the GRAPH of your equation
- X,T,θ,n** button: The **SHORTCUT** button for the variables of the Different MODES when typing in equations
- ^** button: The "carrot" symbol for exponents
- =** button: The "=" button
- ONLY use** For Starting an equation with a negative... This is NOT the Subtraction button

**TI-84 Plus CE**

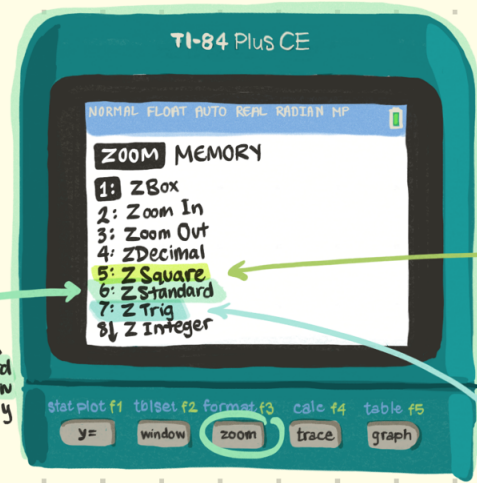
- 2nd mode**: To EXIT or QUIT a screen & go back to the "home" screen
- ins**: use insert if you forgot something
- del**: use the DELETE button for clearing an entry one item at a time
- Fastest way to CLEAR your screen**
- inequalities in HERE**
- SHORTCUT for Squaring &  $\sqrt{\text{sq. root}}$**
- To type in a previous calculation again**

□ = the boundaries for the viewing window ... you can change these values

Scale of the tick marks on the x-axis & y-axis



## Window Adjustments



## "Zoom" Settings

↑ "Auto" window adjustments

0: ZoomFit  
Zoom 0 is a good starting place if your window settings are WAY OFF & you don't know where to start

Zoom 5: "Squares" up the viewing window so that the x & y values are spaced evenly in a squared grid

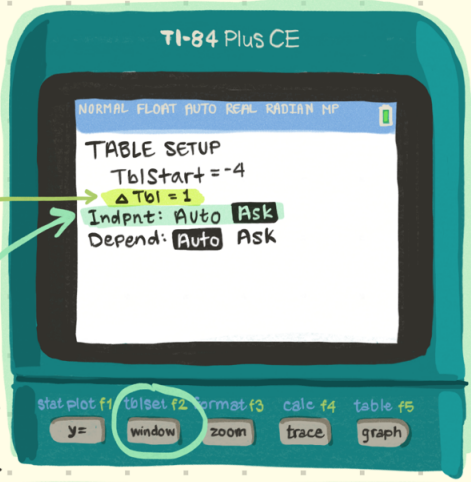
Zoom 7: This adjusts the window nicely for Trigonometry, the x-values are scaled by angles commonly used

Zoom 6: Brings the window back to the Standard -10 to 10 window for both X & Y

2nd  
tblset f2  
window

What the x-values increase by

Auto means the calculator picks the x-values & starts where "TblStart" says  
Ask means you get to pick each x-value



## Table Setup Menu

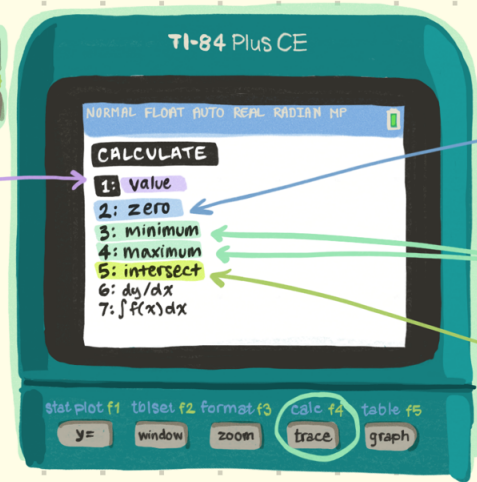
2nd  
calc f4  
trace

For Any x-value, it plugs it into your function & evaluates it for that value

For finding the "zeros" or x-intercepts of your function

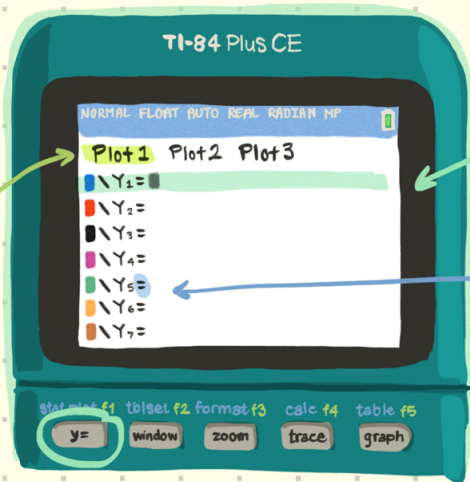
Use for finding Relative Extrema

For finding the point(s) of intersection between functions



## Calculate Menu for Graphs

If a "Plot" is highlighted, like **Plot 1**, then the **Scatter Plot is ON**, if it is NOT, then the "Plot" is OFF



"y=" Screen

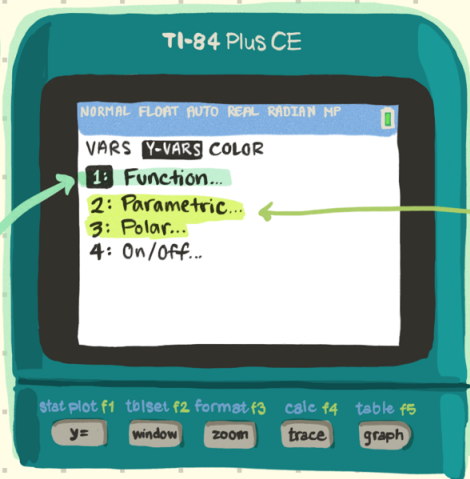
This is where you type your equations

If the "=" is highlighted,  $\text{=}$ , the equation is turned ON, if it is NOT, then it is OFF. (You can turn it ON/OFF by scrolling over it & hitting  $\text{enter}$ )



HOME SCREEN

Vars



This is where you can find your equation shortcuts:  $Y_1, Y_2, \text{etc...}$

How to "Grab" your Equation

The Equation "Shortcuts" for other Modes (used 2<sup>nd</sup> Semester)

Quadratic Regression

$$y = ax^2 + bx + c$$

9: Logarithmic

$$y = a + b \ln x$$

0: Exponential

$$y = a \cdot b^x$$

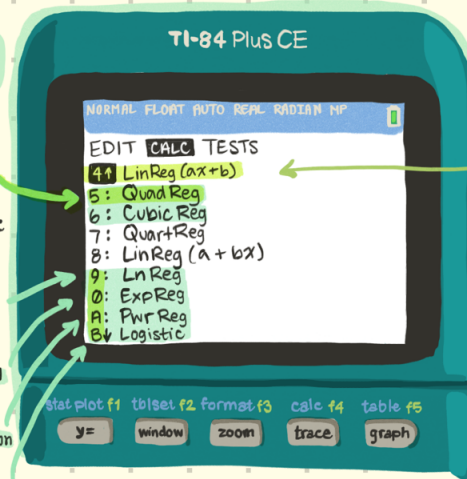
A: Power Regression

$$y = ax^b$$

B: Logistic Model

$$y = \frac{c}{1 + ae^{-bx}}$$

stat



Standard Linear Regression

$$y = ax + b$$

$$\uparrow$$

$$y = Mx + b$$

Regression Equations