

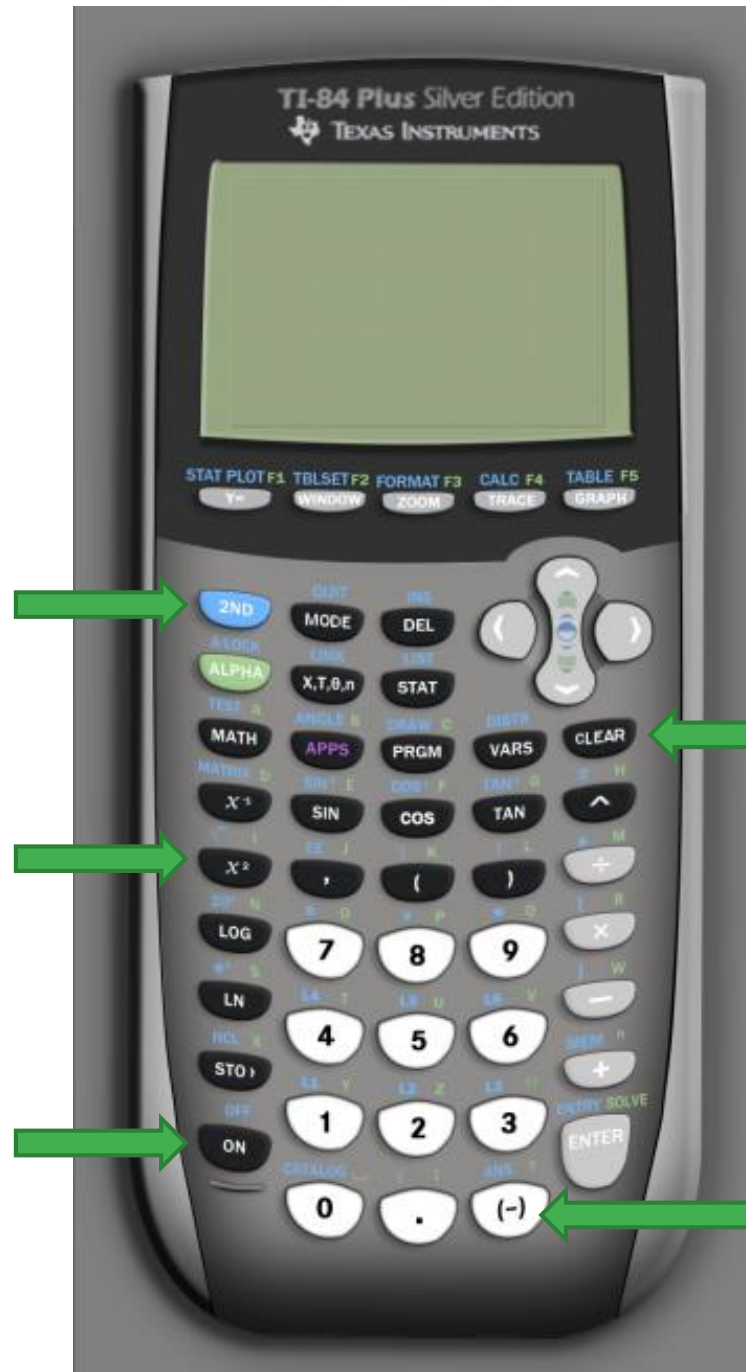
TI-83 Plus/TI-84 Instructions

The Basics

Many buttons have two or more options. The 2nd button allows us to access the second option.

Shortcut to squaring a number or variable
Also, with the 2nd button, the square root

Power

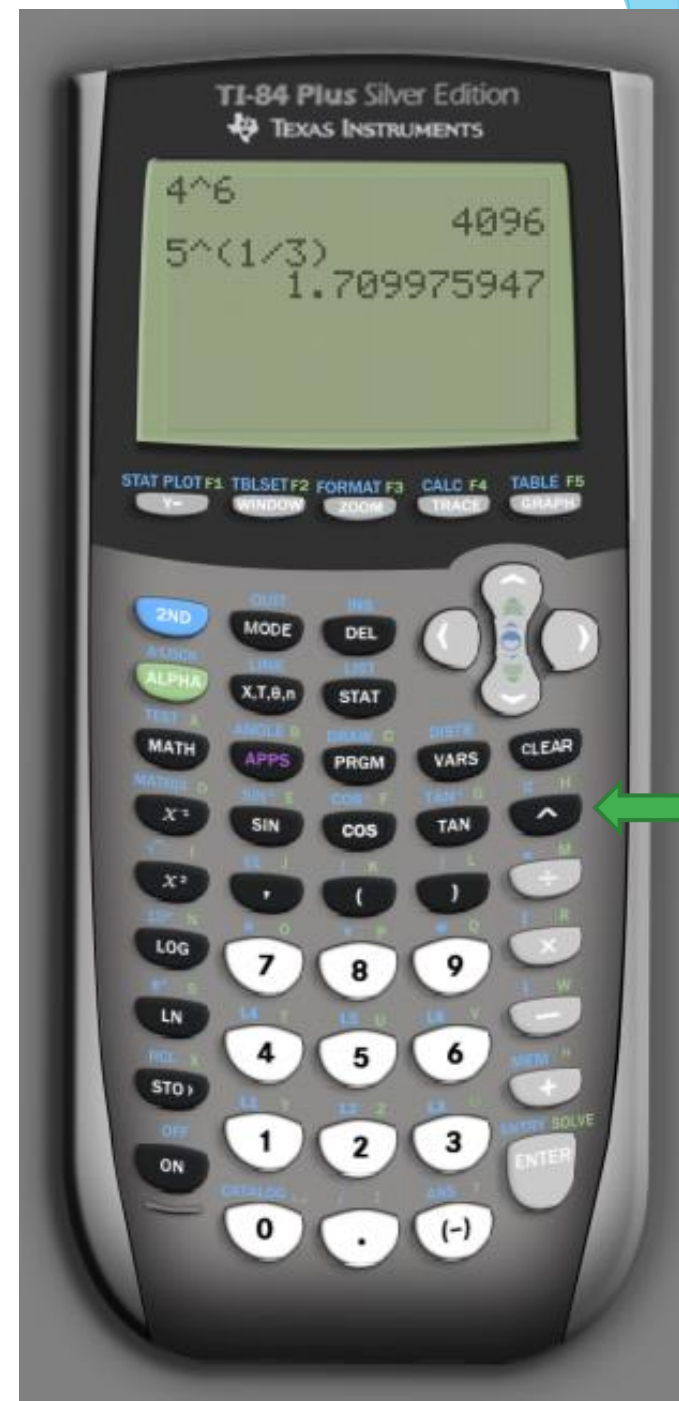


Clear

Negatives: different from the subtraction sign!

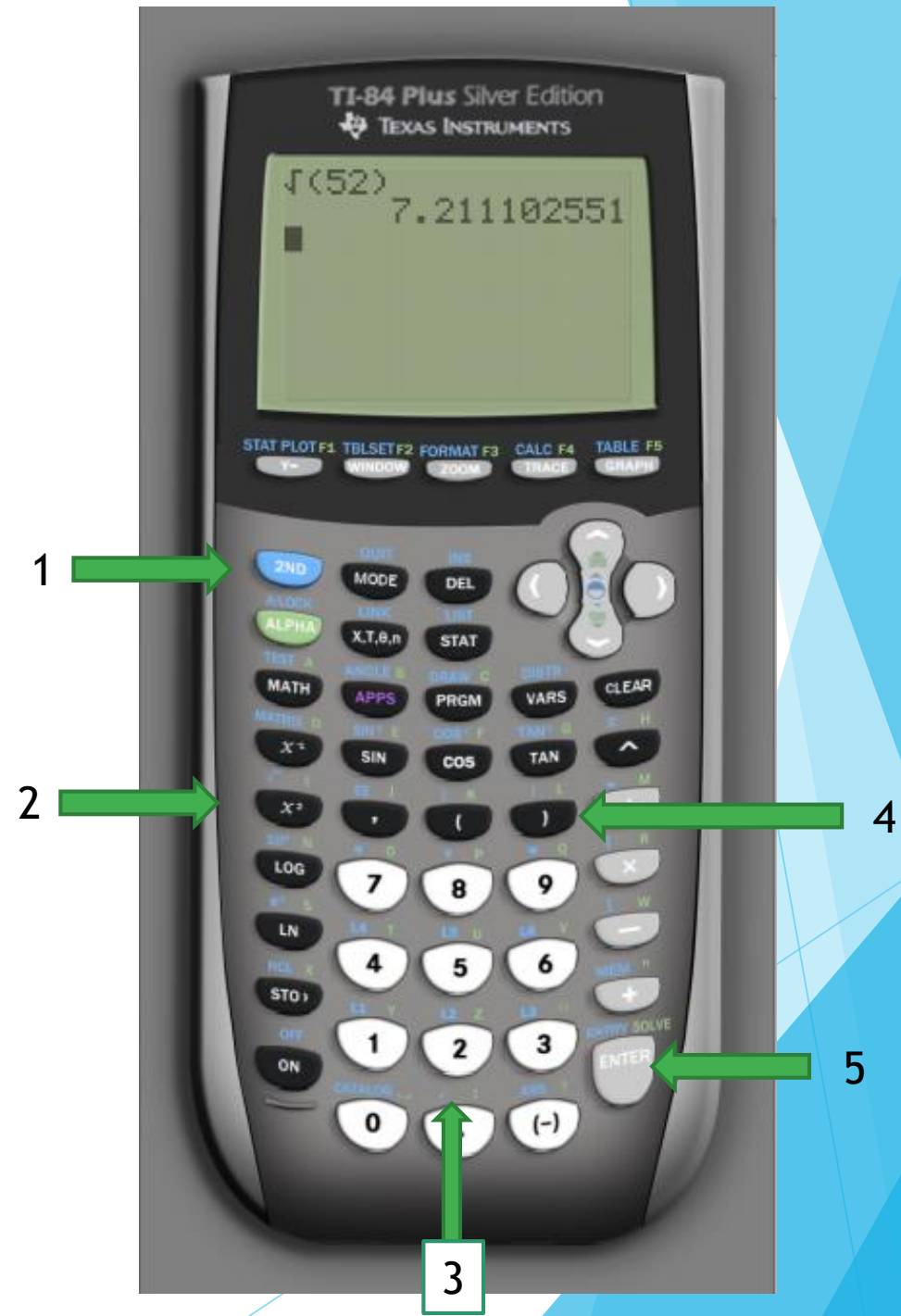
Exponents

- ▶ The “caret” button above the division button puts what immediately follows into an exponent.
- ▶ Parentheses are usually necessary



Square Roots

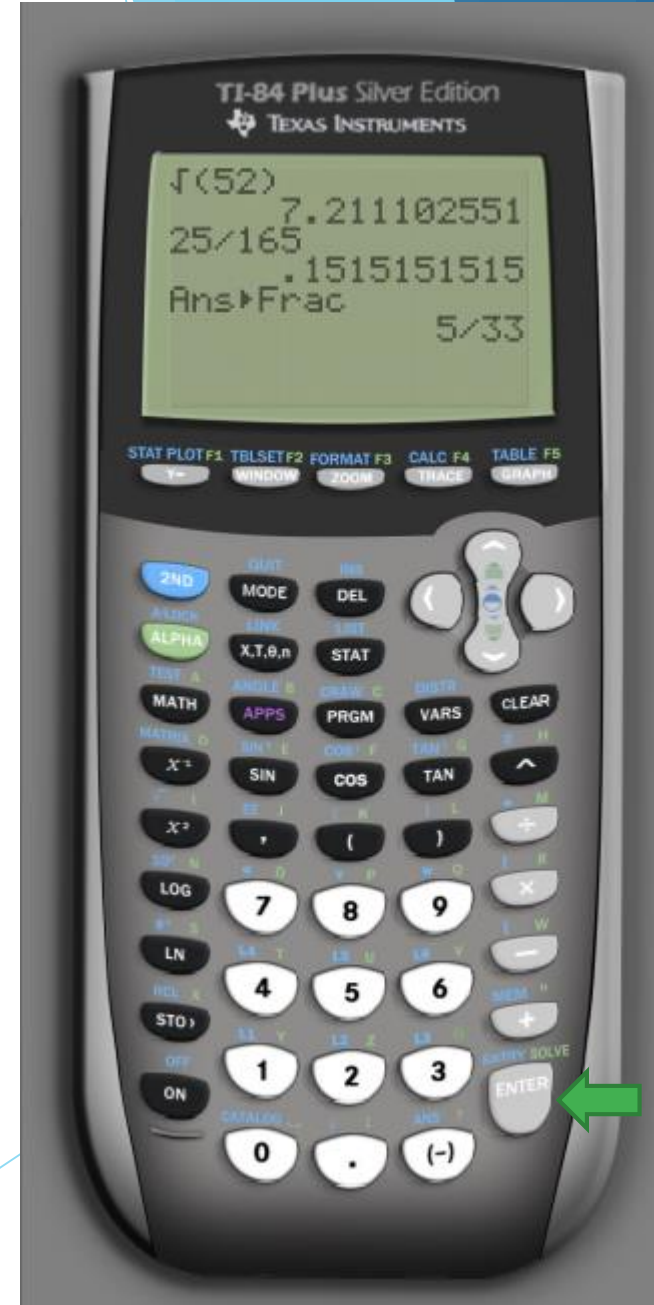
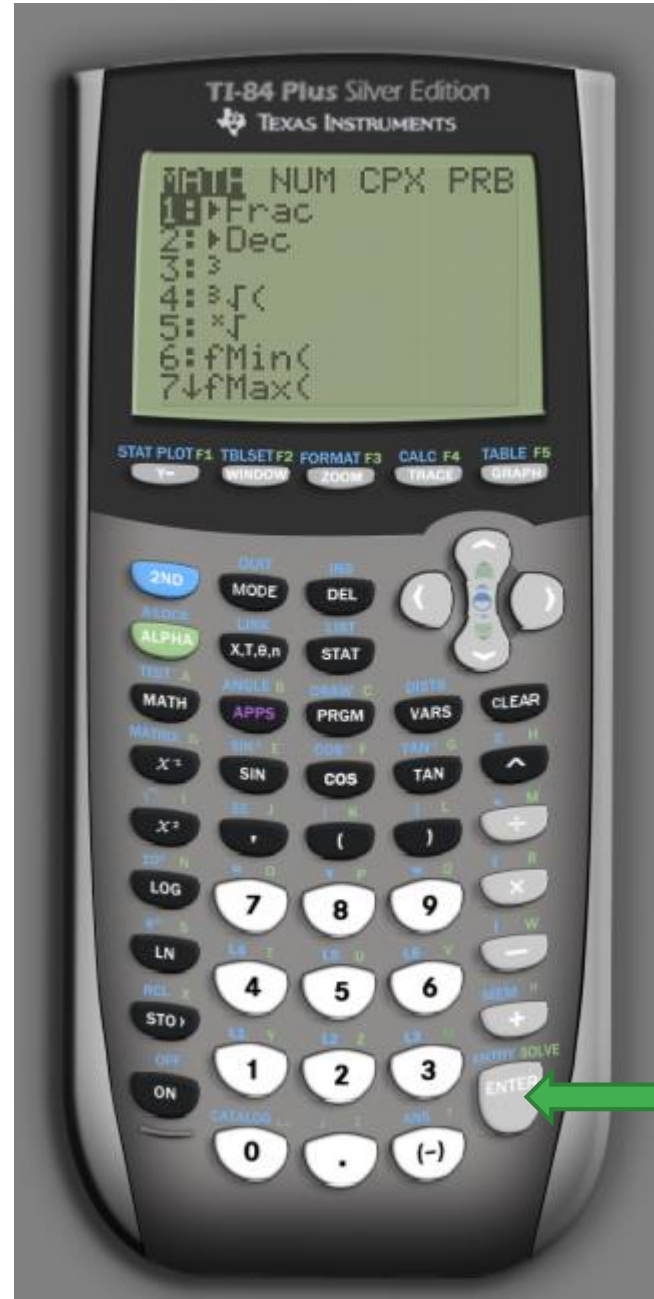
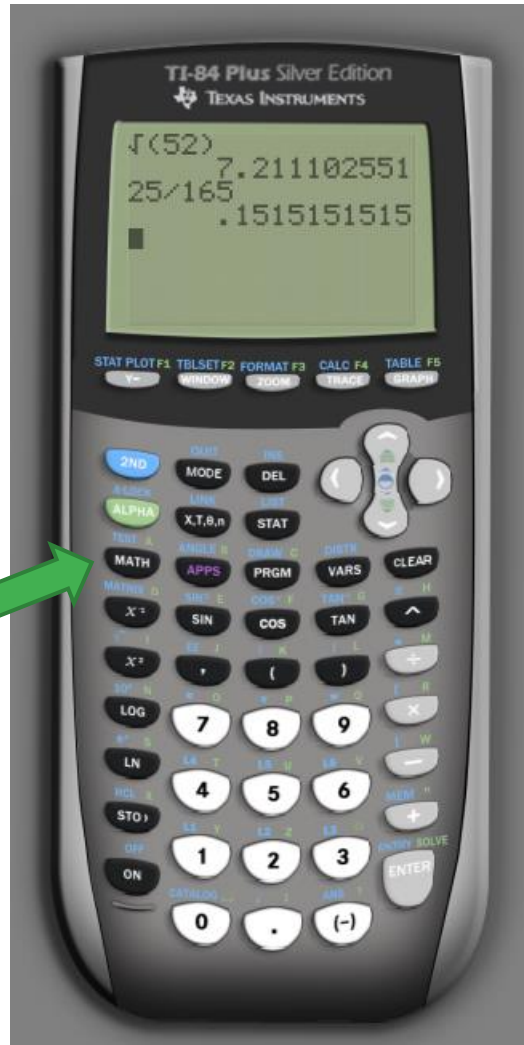
1. 2nd
2. x^2
3. Enter the number
4. Close parentheses
5. Enter



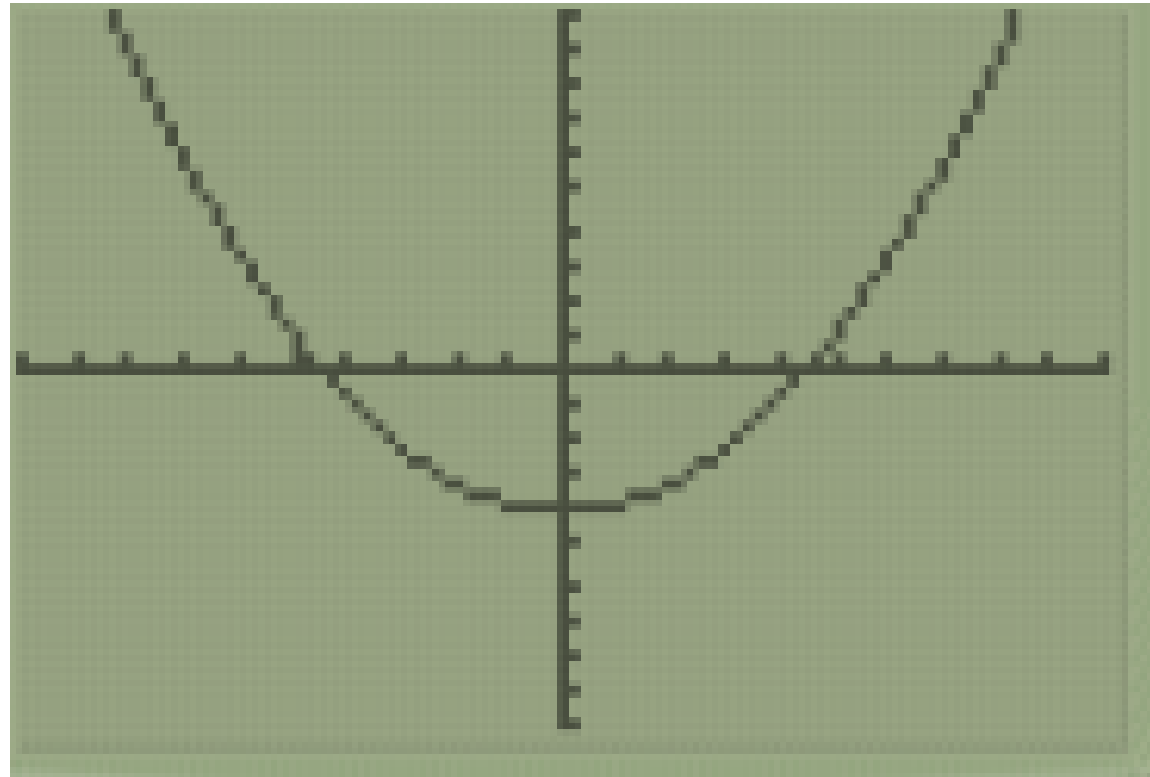
Reducing Fractions

- ▶ Enter the fraction to be reduced. You may hit ENTER and see the decimal, but it is not necessary.

1. MATH
2. ENTER
3. ENTER

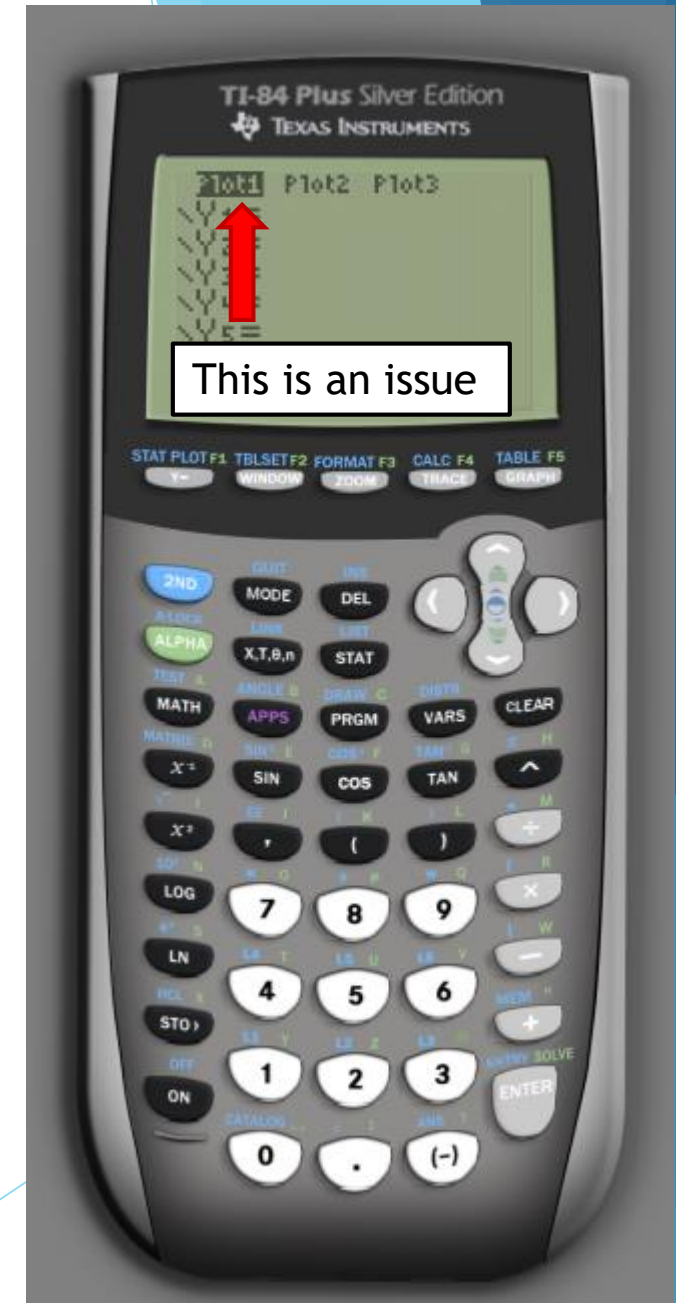
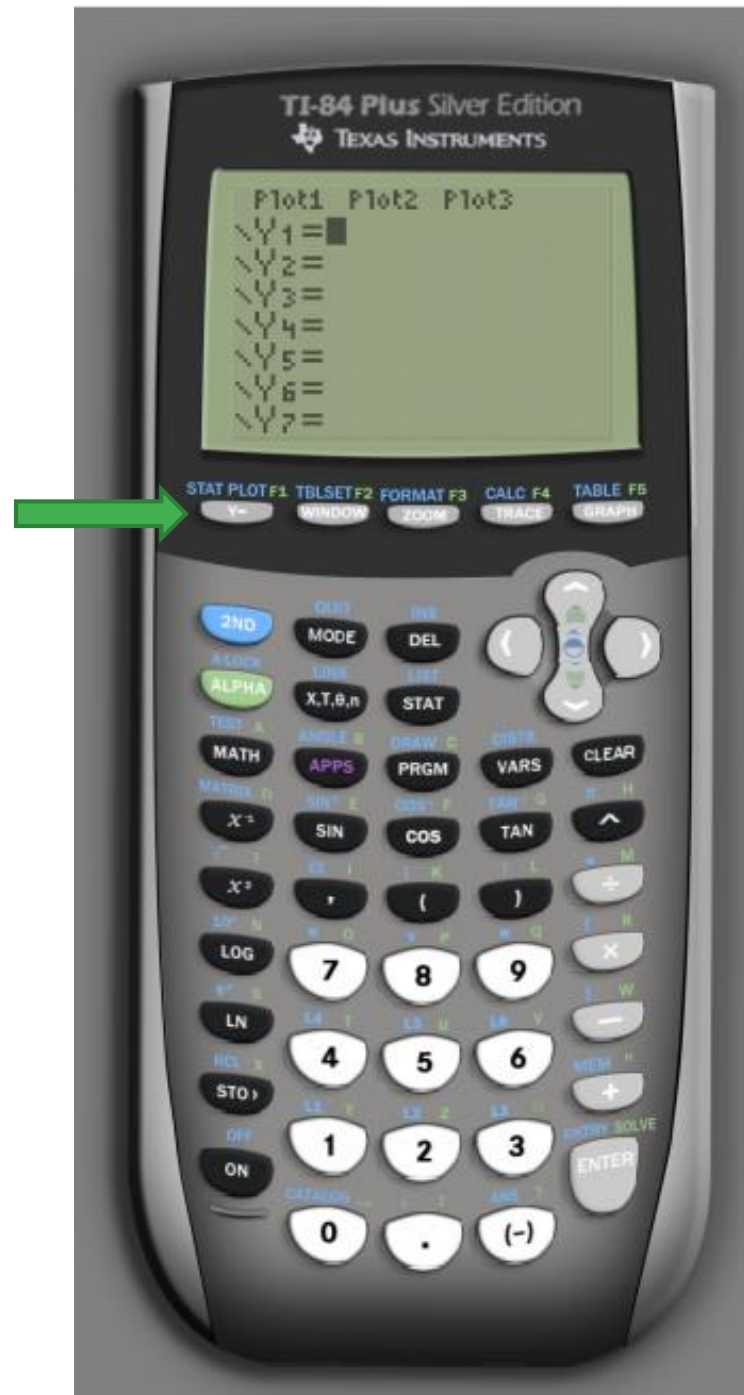


Graphing



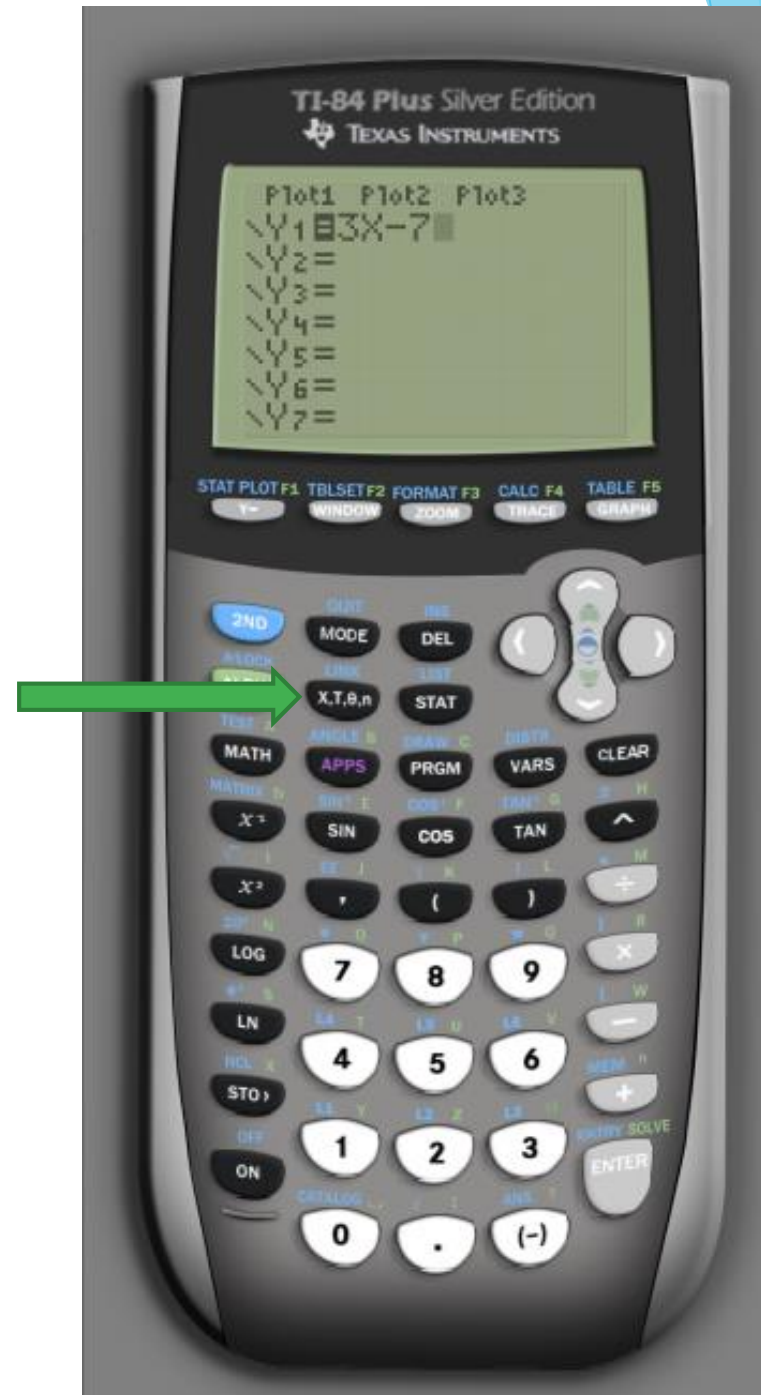
Entering the Graphing Menu

- ▶ The five buttons at the very top relate to graphing.
- ▶ Use the “Y=” button to enter the graphing menu, where you can enter up to 10 functions to be graphed, or to view tables.
- ▶ Make sure “Plot1” is not highlighted, or the calculator will be very confused. If it is, use the arrows to move up to it and hit “ENTER”



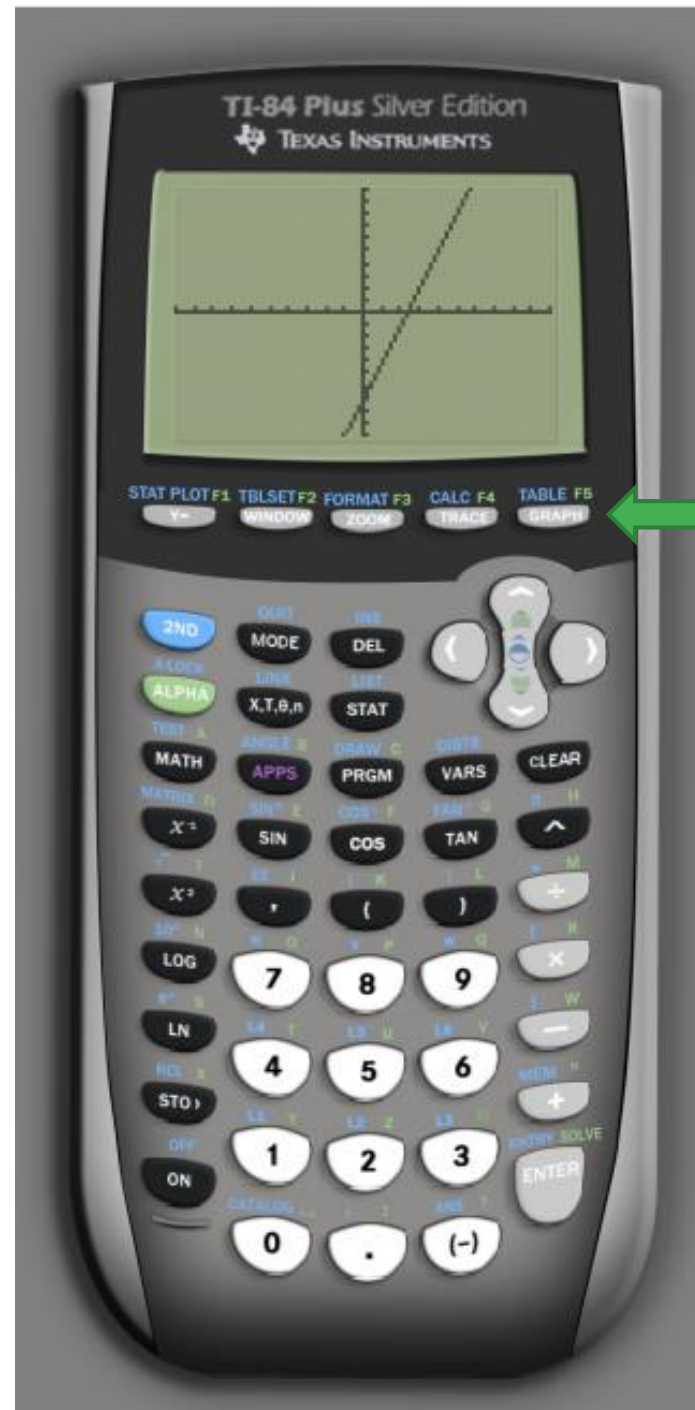
Entering a Function

- ▶ Type the function rule into the calculator.
- ▶ For the input variable, use the X, T, θ, n button next to the ALPHA key
- ▶ You do not have to press ENTER
- ▶ You may enter more than one function at a time. Use the arrow keys to move down to the next function slot
- ▶ The calculator can only graph functions! It cannot graph linear equations in standard form.



Viewing a Graph

- ▶ Once a function has been entered into the “Y=” menu, press GRAPH to see the graph



Resetting the Window

- ▶ The default “window” on the calculator (i.e. how much of the graph you can see) is set at -10 to 10 on both the x -axis and the y -axis, with tick marks 1 unit apart.
- ▶ Sometimes, this can be changed.
- ▶ A quick way to return to the default window is to choose “ZOOM” option “6”

