TI-Lesson Introduction

1. Turning the calculator On and Off

a. To turn on - hit the On key (on lwer left)

b. To turn off - hit the 2nd key then the On Key

2. Function keys

a. Upper Left Function  
For the to the left of the key, press the 2nd key, and then press the desired key.

So if if you wanted to find the square root 2nd key and then x2 key

b. Upper Right Function  
For the function to the right of the key, press the Alpha key, and then press the desired key

So if you wanted to access the letter U you would hit Alpha key and then the 5 key.

3. The HOME screen

a. To go to the home screen from any other screen, such as graphing, Hit the 2nd key and then the Mode key (Quit)

4. Clearing memory

a. 2nd key followed by + key (Mem). Then select Reset.

## 5. A Common Mistake: Incorrect use of the subtraction key and negative number key

|  |  |
| --- | --- |
| The subtraction key (circled in red) and the negative number key (circled in green) have different meanings!  Type in -7 – 4 then hit Enter | http://mtl.math.uiuc.edu/non-credit/basic84plus/ti84plus-tutorial/tutorial.gifs/ti84-keyboard9.JPG |

6. Fixing an Incorrect Formula

After you have executed an incorrect formula, you can no longer move the cursor up to that formula with the ARROW keys to edit it.

However, you don't need to re-enter the entire formula to make your corrections. Just press the 2nd key then the ENTER key to redisplay the previous formula. Then use your arrow keys to go over and then type over the mistake then hit Enter.

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| --- |
|  |
| 7. Entering in a missed character  Say that you entered 2 \* 8 + 5  And you wanted to enter 2 \* 18 + 5 |

Hit 2nd Enter to get equation back then go over with your left arrow key – Hit 2nd key then DEL (Ins ) Key

8. Graphing a line

Hit the Y= Key.

Hit Clear key if anything is there

Enter 3x + 4 - Hit 3 then X key (2nd row 2nd column), then + 4 - hit Graph Key

8. Changing the Window Size

Enter Y = 3x + 7 then hit Graph key

Hit Window

Then you can change your Xmin, Xmax, Ymin or Ymax to -100, 100, -100, and 100 (make sure you use the negative sign, not the minus sign) then hit Graph

9. Changing Window Size 2

Hit Window

Change Xmin, Xmax, Ymin or Ymax to 0, 10, 0, 10 and then Hit Graph

Then Hit the Zoom Key then 6 to see it in the standard window

10. Graphing an Absolute value function

Hit y= (clear anything there) then

Math Key – Go over to NUM tab - - Select 1 (abs)

Then put in X then close parenthesis and put + 2

Your input should look like :

Y 1 = abs(X) + 2

Then hit Graph

11. Zooming in

Enter the equation y=abs(X) + 2

Then hit the Graph key

Then hit the Trace key – use your right and left arrow keys to move along the graph to the vertex. Then hit the

Zoom key and then 2 (Zoom in). You should be able to see the X and Y values at the bottom of the screen.

12. Selecting Functions for Graphing

Press the Y= key and enter 5 functions

Y1 = 2x + 3

Y2 = -3x + 4

Y3 = 4x + 5

Y4 = x^2

Y5 = abs(x + 2) – 3

Then hit the Graph key.

Then hit the Y= key. Use your arrow keys to go over the equal sign for the 1st, 3rd and 5th equation and hit enter when you are on top of it. The functions should then be turned off and won’t graph. A function is on when the equal sign is highlighted (dark).

Hit Graph and see if the functions you think should be on graph,