Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Math 8: Functions on the Graphing Calculator

*Directions: Fill in the blanks below as you watch the video.*

Let's Review!

* The solutions to a function can be written as ordered pairs.
* These ordered pairs are easily organized in a table.
* f(x) means the exact same thing as y = . They are interchangeable!

Let’s Look at our Graphing Calculators!

What are the keys in the four corners of the graphing calculator?

Bottom left: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bottom right: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Top right: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Top left: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which key can we think of as the function key? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

How to Enter a Function

* Click ON
* Click Y=
* If there is anything there that you need to delete, click CLEAR
* When you enter your function, use X,T,Θ,n
* Be careful with negatives! The negative key ( - ) is on the \_\_\_\_\_\_\_\_ row next to ENTER . The minus key – is on the \_\_\_\_\_\_\_ side of the calculator.

How to Evaluate a Function with a Table

Click TABLE . To do this, click 2nd and then GRAPH .

What color is the 2nd key? \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| Evaluate f(x) = x/2 - 2  for f(-4), f(-2), f(0), f(2), and f(4). |  |

How to Graph a Function

Since your function is already in the Y= screen, all you have to do is click GRAPH .

Make a quick sketch of what the line looks like on the calculator screen:

