|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbolic Representation:** | *y = mx + b*  *x , y* = x , y value on coordinate plane  *m* = slope  *b* = y-intercept  **y = (4/3)x + (-4)**   |  |  | | --- | --- | | **x** | **y** | | -2  -1  0  1  2 | -6.67  -5.33  -4  -2.67  -1.33 | | **Graphic Representation:** | http://www.ltusd.org/teachers/dmason/images/slope-int.gif *Provided by: QwickStep.com* |

**Program Function:**

This program asks the user to input values for the slope and y-intercept and then graphs the equation according to slope-intercept form on a TI-8x calculator.

**General Information:**

* Any information typed/changed is automatically saved
* To begin a new program press [PGRM] then select “NEW” using the arrow and [ENTER] buttons
* You may enter letters or “Alpha” characters by pressing the [ALPHA] button then the wanted letter
  + To lock the “Alpha” on press [2nd] then {A-Lock}
* If a function is not easily located use [2nd] {CATALOG}
* Use the [CLEAR] button to exit a menu without exiting the edit session

**Code:**

|  |  |
| --- | --- |
| Func Degree  G-T FnOff  ClrDraw PlotsOff  AxesOn Disp "Y=MX+B" Input "M=?",M Input "B=?",B "M\*X+B"→Y₁ DispGraph | **::::Desktop:IMG_20101001_164422-1.jpg *Sample Output*** |