TI Slope-Intercept Program

Symbolic Representation:

$$y = mx + b$$

x, y = x, y value on coordinate plane
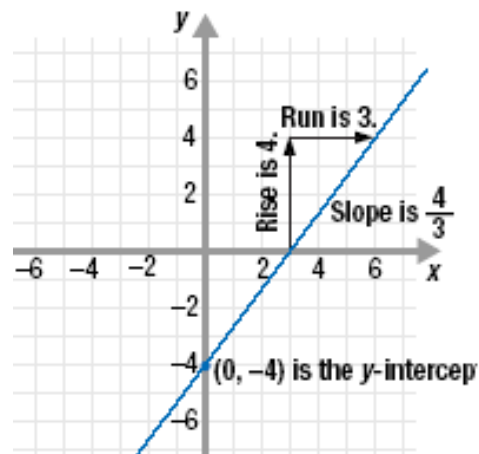m = slope
b = y-intercept

$$y = (4/3)x + (-4)$$

x	y
-2	-6.67
-1	-5.33
0	-4
1	-2.67
2	-1.33

Graphic Representation:

Run is 3.
Rise is 4.
Slope is $\frac{4}{3}$
$(0, -4)$ is the *y*-intercept
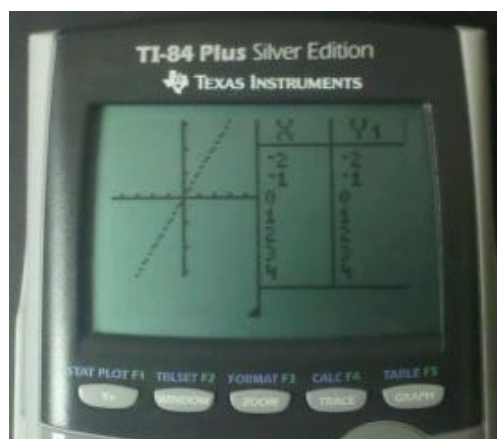
Provided by: QwickStep.com

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
```


Sample Output