
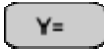




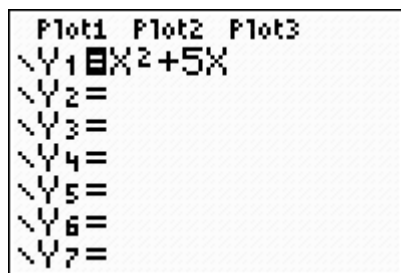
Lesson #4

Mode Settings

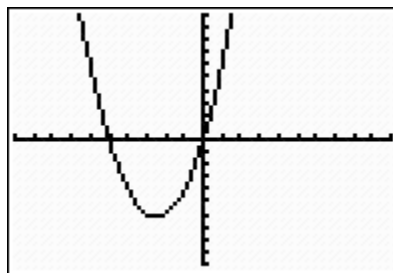
To see the current mode settings on the calculator, press . These settings control how the calculator interprets expressions entered into it and how results appear on the screen. These settings will be discussed in more detail in a future section.

Y-editor and the Graphing Window

The TI-84 Graphing calculator receives its name from the fact that it has the ability to display the graphs of functions. To graph a function, press  and enter an equation into the Y1 line. Use the variable button  to enter in the variable x when plugging the equation into the y-editor. Press  to display the graph for the equation entered.



The y-editor screen with the expression $x^2 + 5x$ plugged into Y1.

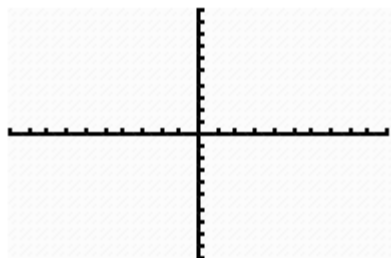


The graphing screen with the graph of $y = x^2 + 5x$.

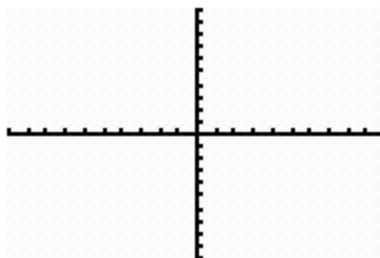
Set 1 – Enter each equation into the graphing calculator and sketch each graph.

LP#1

$$y = 2x + 5$$

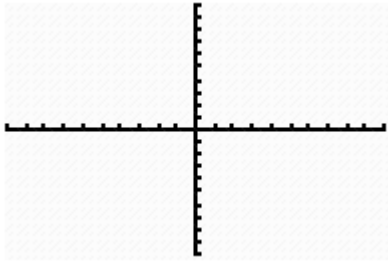


$$y = x^2 - 3$$

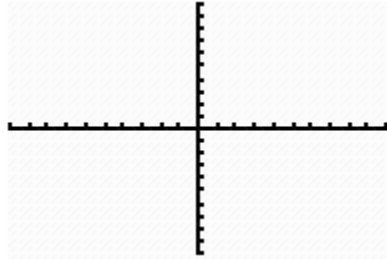


LP#2

$$y = -2x + 5$$

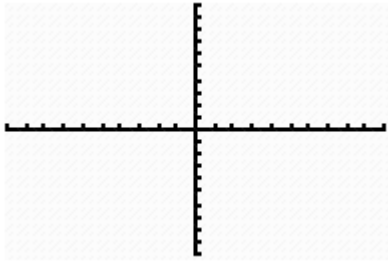


$$y = -x^2 - 3$$

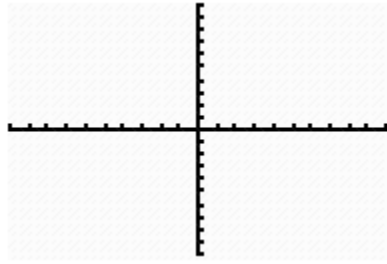


R#1

$$y = (3/4)x - 2$$

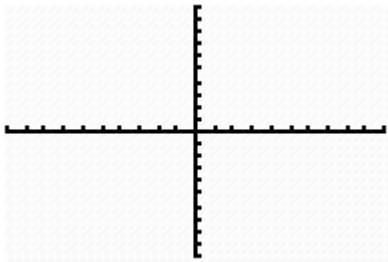


$$y = |x|$$

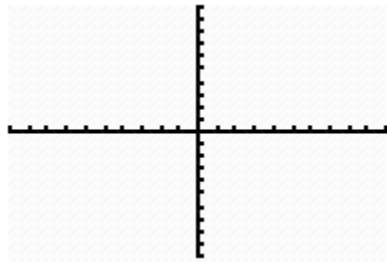


R#2

$$y = -x^2 + 6$$

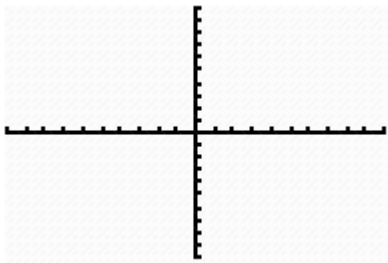


$$y = x^3 + 2$$



R#3

$$y = 2^x$$



$$y = \sqrt{x}$$

