Bradford

Graph Restricted

An important part of using the graphing utility is the Graph Formats menu settings.

From the y = menu press **F1 9** to get to the format menu. These are the standard settings.

F17700 F2▼ F3 F4 F5▼ F6▼ 5: ▼ =
Y91= CoordinatesRECT→ 92= Graph OrderSEQ→ 93= GridOFF→ 94= AxesON→ 95= AxesOFF→ 96= Leading CursorOFF→ 97= LabelsOFF→ 98= Discontinuity Detection OFF→ 99= (Enten=SQUE)
<u>y3(x)=</u> Use 4 and 4 to open choices

To graph $y = x^2$ restricted to $x \leq 0$, you must use the conditional operator key $\begin{bmatrix} \\ \\ \end{bmatrix}$.

In the y= menu type:

 $y1=x^{\wedge}2\mid x<=0$

Graph the **y1** equation. The view window should show the left portion of the graph of $y = x^2$.

mth 93

Now try graphing:

$$y1 = 0 * x - 3 \mid x <= -2$$

 $y2 = 3 * x^2 - 5 \mid x > -2$ and $x <= 1$
 $y3 = 2 * x + 1 \mid x > 1$

Notice to graph the form y = -3 you must include 0x in the expression for the conditional operator to work.

F1+ F2- ToolsZool	r F3 F4 MTraceRe9r	aph	FS+ F6 lath Dra	r F7 Sii WPen C
		/		
MAIN	Rep elltr		FUNC	