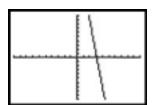
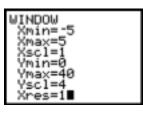
Example

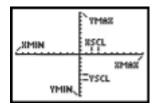
Graph the function y = -8x + 25 and adjust the viewing window to see more of the function.

STEP 1: Press and enter the function y = -8x + 25. Use for the negative sign, not . Press **200M** 6. Note that you cannot see where the function crosses the y-axis.

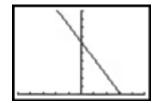


STEP 2: Examine the current **WINDOW** values by pressing **WINDOW**. Edit the value of **Xmin** by pressing (-) 5. Press or **ENTER** to move to the next value. Set the remaining **WINDOW** values using the following key sequence: 5 **1 1 0 1 4 0 4**. Compare your screen with the one on the left. The screen on the right shows which aspect of the viewing window each WINDOW value controls. The value **Xres** appears underneath **Yscl**. **Xres** determines the thickness (from 1 to 8) of the lines and axes when they are drawn on the screen. For the best results, leave Xres set at 1.





STEP 3: Press **GRAPH** to view the screen below.



Exercises

Set the viewing window to each set of values to graph the function $y = 4x^2 + 11x$.

1.
$$X\min = -5$$
 $Y\min = -8$

$$Xmax = 1 Ymax = 1$$

$$Xsc1 = 5 Ysc1 = 1$$

$$Xscl = .5$$

$$Ymax = Vac1 - 1$$

$$Y max = Y scl = 1$$

2.
$$Xmin = -4$$
 $Xmax = 1$

$$Xscl = 1$$

$$Ymin = -10$$

$$Ymax = 10$$

$$Y \max = 1$$

 $Y \text{scl} = 2$

3.
$$Xmin = -10$$

 $Xmax = 10$

Xscl = 1

$$Ymin = -10$$

$$Ymax = 300$$

$$Yscl = 25$$