

How to Do Page 470 Example 4 Using TI-83/84

Use TI-83/84 to graph $y \leq -\frac{60}{1.75}x + \frac{50}{1.75}$.

1. Enter the equation in the Y= Screen.

- Press $\boxed{Y=}$. Note: to clear a line on this screen, move the cursor to the line and press $\boxed{\text{CLEAR}} \boxed{\text{ENTER}}$.

- On any of the lines, enter the equation

$$y \leq -\frac{60}{1.75}x + \frac{50}{1.75} \text{ by pressing}$$

$\boxed{(-)} \boxed{60} \boxed{X,T,\theta,n} \boxed{\div} \boxed{1.75} \boxed{+} \boxed{50} \boxed{\div} \boxed{1.75}$. See Figure 1.

- Using the left arrow key, move the cursor to the left of Y1.
- Press $\boxed{\text{ENTER}}$ until the “ \leq ” changes to the following symbol: $\boxed{\leq}$.

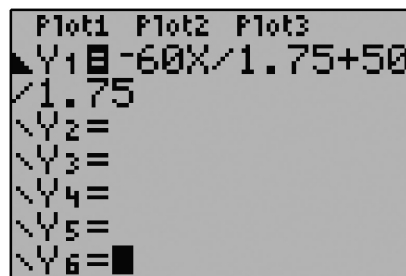


Figure 1

2. Enter a window and graph the inequality.

- Press $\boxed{\text{WINDOW}}$. A possible window is shown in Figure 2 below.
- Press $\boxed{\text{GRAPH}}$. You will see Figure 3.

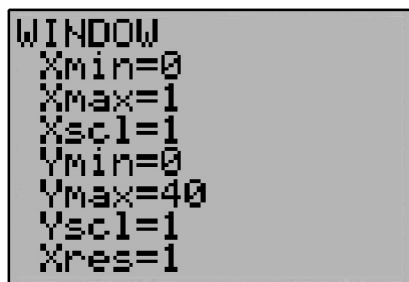


Figure 2

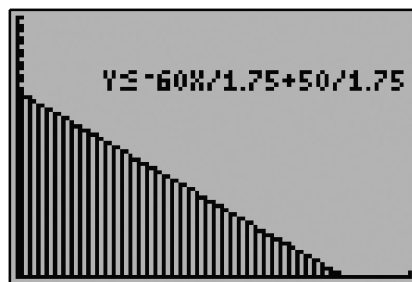


Figure 3

3. To find the coordinates of a point in the xy plane, use the arrow keys to move the cursor to the desired point. See Figure 4.

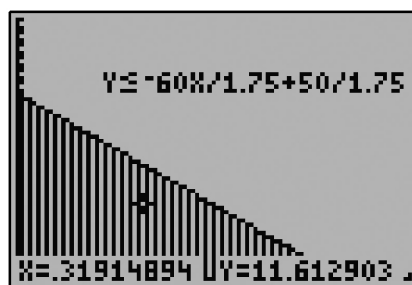


Figure 4

