

How to Do Page 470 Example 4 Using TI-Nspire™ With Touchpad

Use TI-Nspire™ with Touchpad to graph $y \leq -\frac{60}{1.75}x + \frac{50}{1.75}$.

1. Create a new document.
 - Press the home key and choose 1: New Document.
 - Choose 2: Add Graphs. See Figure 1.

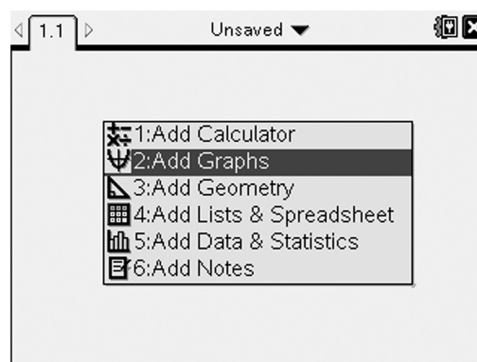


Figure 1

2. Enter the inequality. Your cursor should be to the right of the equal sign on the entry line at the bottom of the screen.
 - Press $\left[\text{del}\right]$ to delete the equal sign. Select the less than or equal to sign (#1) and press $\left[\text{enter}\right]$.
 - Enter the inequality by pressing $\left[\left(-\right)\right] 60 \left[\text{X}\right] \left[\div\right] 1.75 \left[+] 50 \left[\div\right] 1.75 \left[\text{enter}\right]$.

Note: f1 will be replaced with the letter y when you press the inequality sign. See Figure 2.

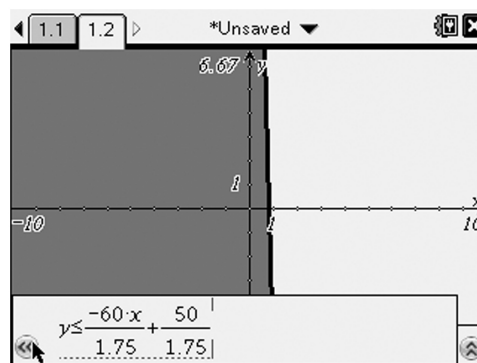


Figure 2

3. Change the window.
 - Press $\left[\text{menu}\right]$ and then choose 4: Window/Zoom.
 - Choose 1: Window Settings as shown in Figure 3.

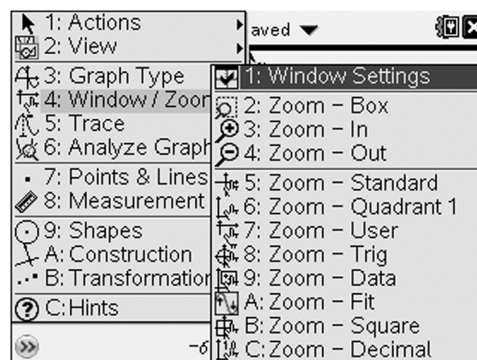


Figure 3



- Enter a possible window as shown in Figure 4.
Use **[tab]** to move between the rows.

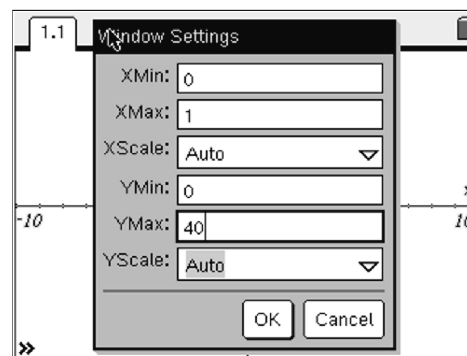


Figure 4

- Determine the coordinates of a point in the shaded region of Figure 5.

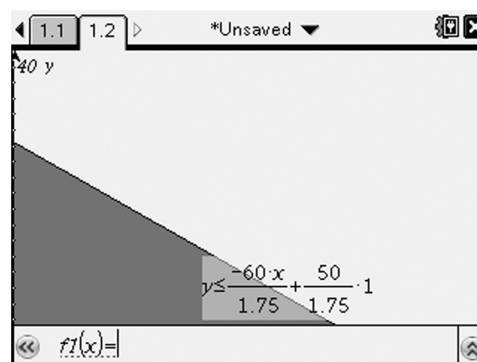


Figure 5

- Press **[menu]** and choose 7: Points & Lines.
- Select 1: Point. See Figure 6.

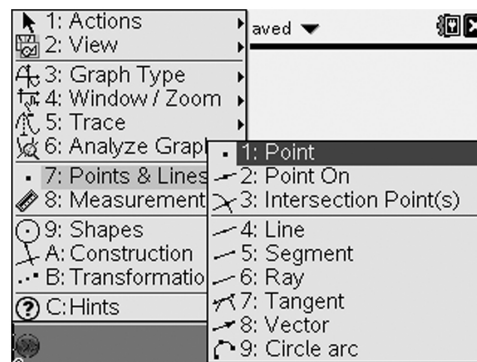


Figure 6



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(continued)

- Using the arrow keys on the NavPad, move to the desired location on the xy plane.
- Press **[enter]**. See Figure 7.

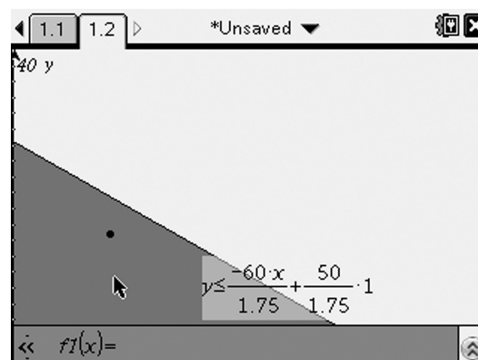


Figure 7

- Press **[menu]** and choose 1: Actions.
- Choose 7: Coordinates and Equations. See Figure 8.

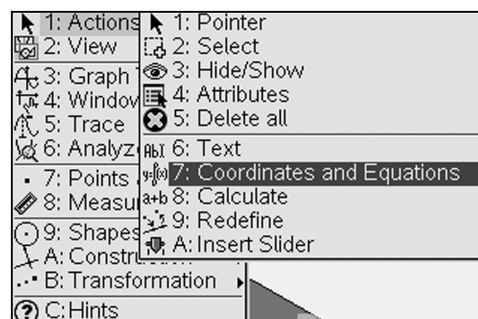


Figure 8

- Using the arrow keys on the NavPad, move to the point just created and press **[enter]**; then, move to the location you wish to display the coordinates and press **[enter]**. See Figure 9.

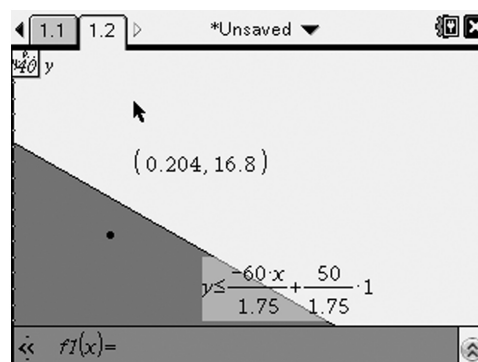


Figure 9

