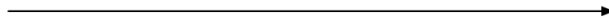


### Linear Inequalities: Using Graphs and Tables Worksheet Activity 3

1. Exit the Algebra Apps.
2. Enter the graphing mode by pressing  $y=$ .
3. Delete any equations in  $y=$  and press zoom 6 to create a standard window.
4. Answer the following: If  $x$  is a real number, draw the number line graph of the following inequality.

$$-2 < x \text{ and } x < 4$$



5. Answer the following: If  $x$  is a real number, draw the number line graph of the following inequality.

$$x < -1 \text{ or } x > 3$$



6. Using your graphing calculator check your answers for examples 4 and 5.

Press  $y=$   
In  $y1$  enter  $-2 < x \text{ and } x < 4$

(The less than symbol and the word “and” is found in the catalog, press 2<sup>nd</sup> 0, then scroll until you see  $<$  (or the word and), and press enter)

press graph