Math 230 **FLIP 8.3b** **Absolute Value Functions**

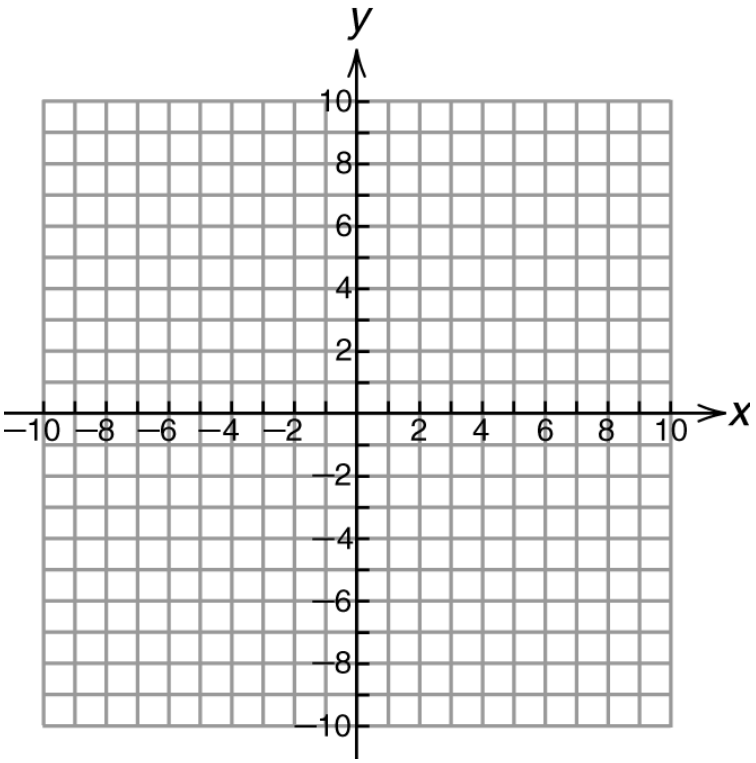
This assignment is to help you learn how to graph absolute value functions.

1. Graphing the function $f(x)=|x-4|+3$.

a) Start by completing the following table of (x, y) values.

x	$y=\|x-4\|+3$	(x, y)
2		
3		
4		
5		
6		

b) Plot the points on the graph, and draw the v-shaped graph that passes through the points.

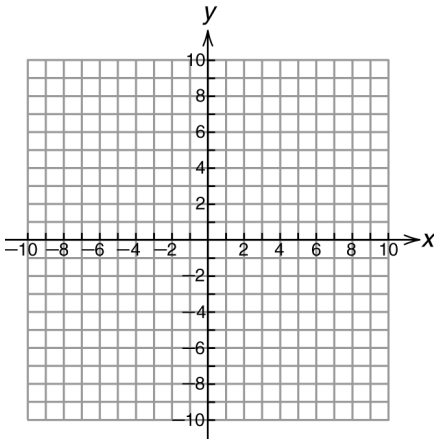


2. Graphing the function $f(x)=|x-1|-2$.

a) Start by completing the following table of (x, y) values.

x	$y=\|x-1\|-2$	(x, y)
-1		
0		
1		
2		
3		

b) Plot the points on the graph, and draw the v-shaped graph that passes through the points.



3. Using the previous two problems as a guide, graph the function $f(x)=|x-2|+5$.