

# 1.3 Graphing a Function

What is the graph of each function rule?

**A**  $y = |x| - 4$

absolute value:  
any # that is in  
the signs will be  
positive

Step 1: Make a table

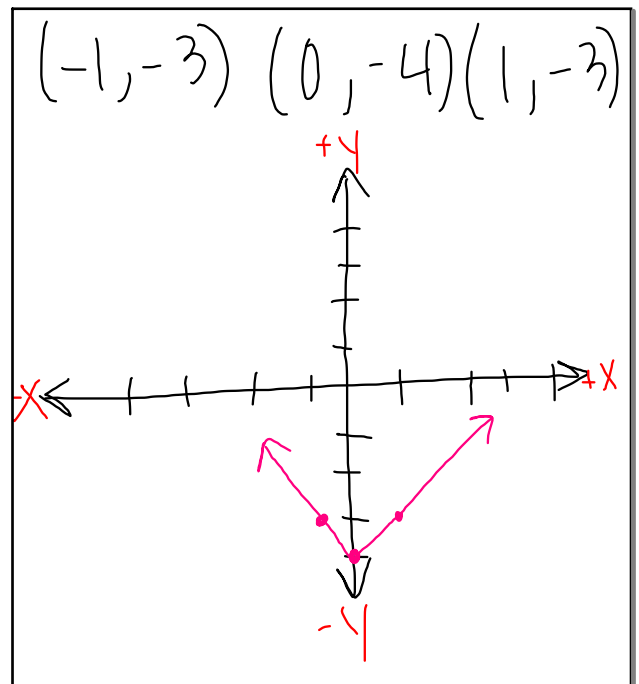
Step 1.1: Solve for y

Step 2: Graph the points

Jun 2-8:48 AM

Jun 2-9:04 AM

X	work	Y
-1	$  -1   - 4$ $1 - 4$	-3
0	$  0   - 4$ $0 - 4$	-4
1	$  1   - 4$ $1 - 4$	-3



Apr 1-10:57 AM

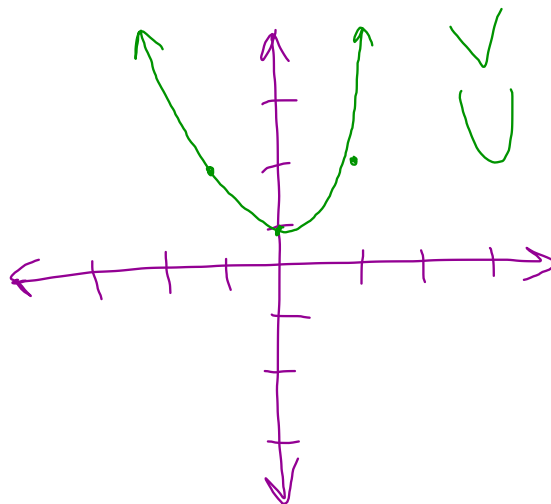
Jun 2-9:11 AM

**B**  $y = x^2 + 1$

X	WORK	Y
-1	$(-1)^2 + 1$	2
0	$(-1 \rightarrow) 1 + 1$ $(0)^2 + 1$	1
1	$(1)^2 + 1$	2

Jun 2-9:07 AM

$(-1, 2) \quad (0, 1) \quad (1, 2)$



Apr 1-11:13 AM