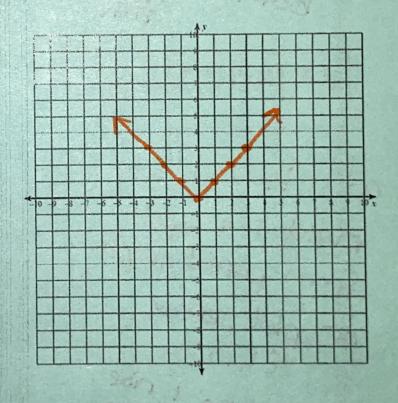
## GRAPHING ABSOLUTE VALUE FUNCTIONS

Absolute value functions have the form f(x) = a |x - h| + ka, h and k have the same effects on the graphs as they have in other graphs that we have explored.

Graph y = |x|.

×	У
3	3
2	0
0	
-1	1
-2	20
-3	2

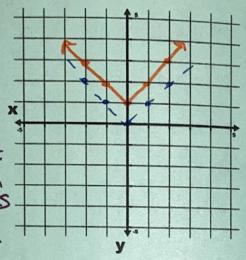


$$y = |x|+1$$

5 points!

a=1 h=0 K=1 Snift parent graph

or plot vertex (n, K) attract a like slope in both directions



$$y = |x-1|+1$$

right 1 + upl

from parent graph

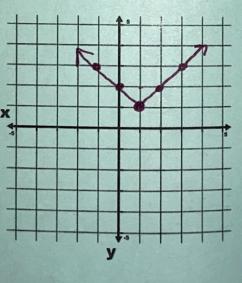
or plot vertex

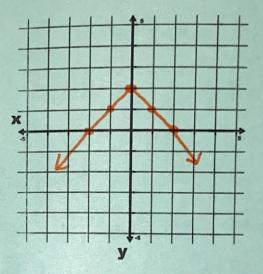
(1,1)

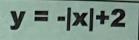
a=150 | rise

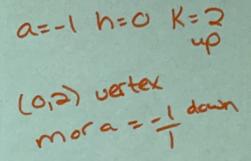
to the right

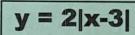
+ left

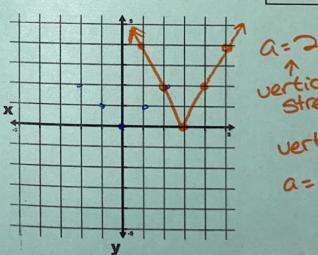












uertical right
vertical right
vertex (3,0)

uertex (3,0)

a=2 so 2 rise
right