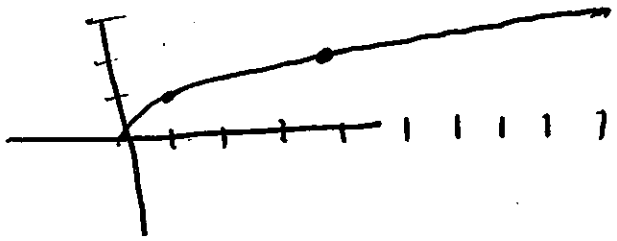
Reflections . The graph of $y = -f(x)$ is a reflection about the x-axis.

. The graph $y = f(-x)$ is a reflection about the y-axis.

Example: Sketch the graph.

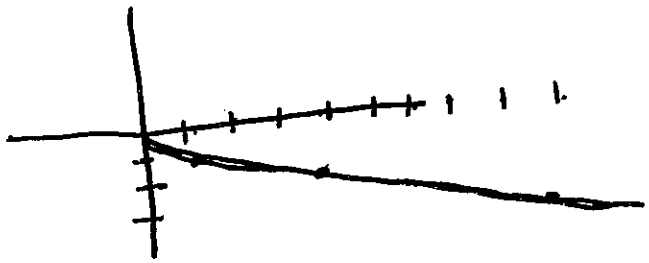
x	$y=\sqrt{x}$
0	0
1	1
4	2
9	3

① $y = \sqrt{x}$



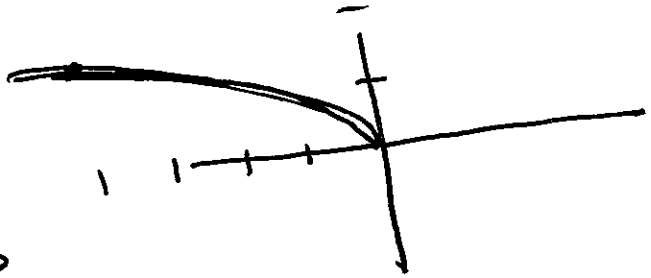
② $y = -\sqrt{x}$

x	$y=-\sqrt{x}$
0	$-0=0$
1	-1
4	-2
9	-3

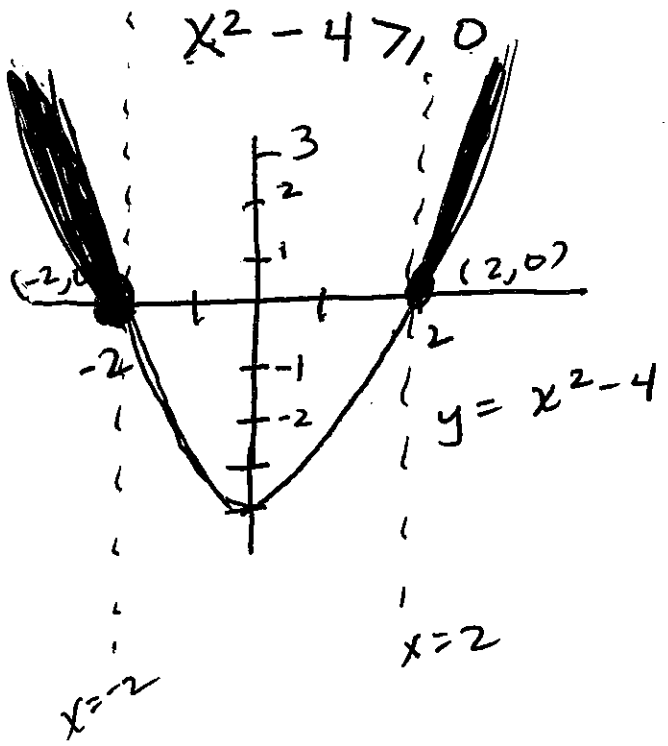


③ $y = \sqrt{-x}$

x	y
0	$\sqrt{-0}=0$
-1	$\sqrt{-(-1)}=\sqrt{1}=1$
-4	$\sqrt{-(-4)}=\sqrt{4}=2$
-9	$\sqrt{-(-9)}=\sqrt{9}=3$



EXAMPLE Solve the inequality by reading the corresponding graph.



Answer: $x \leq -2$ or $2 \leq x$

or write $|x| \geq 2$