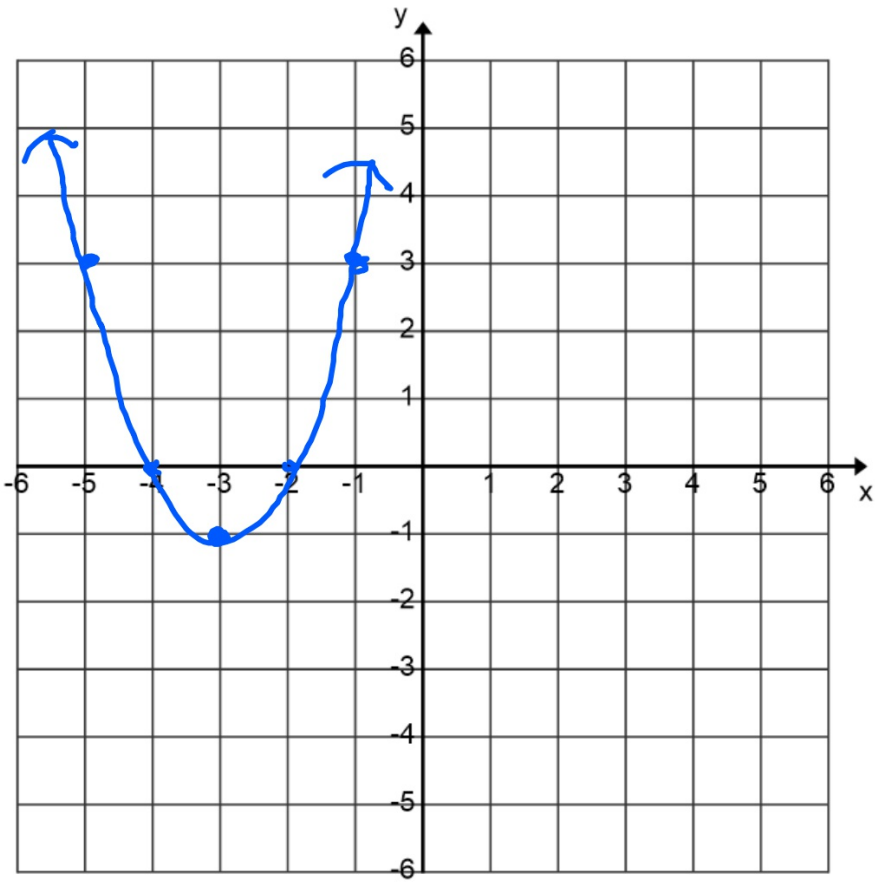
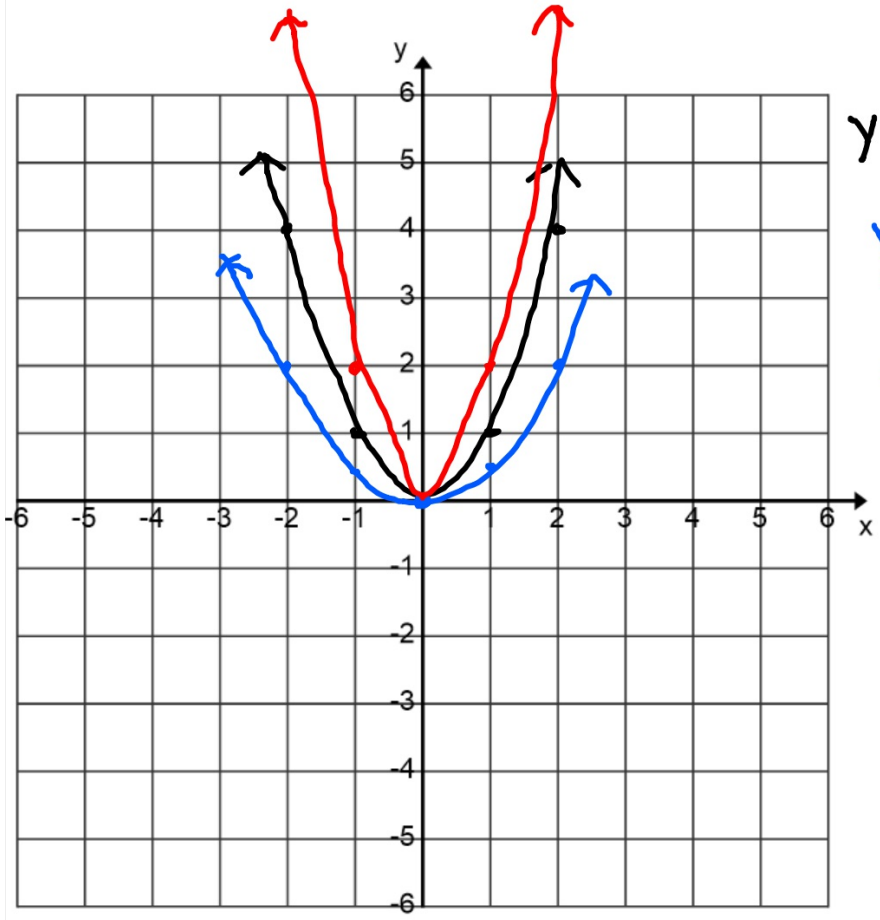


$y = (x+3)^2 - 1$

Vertex

$(-3, -1)$



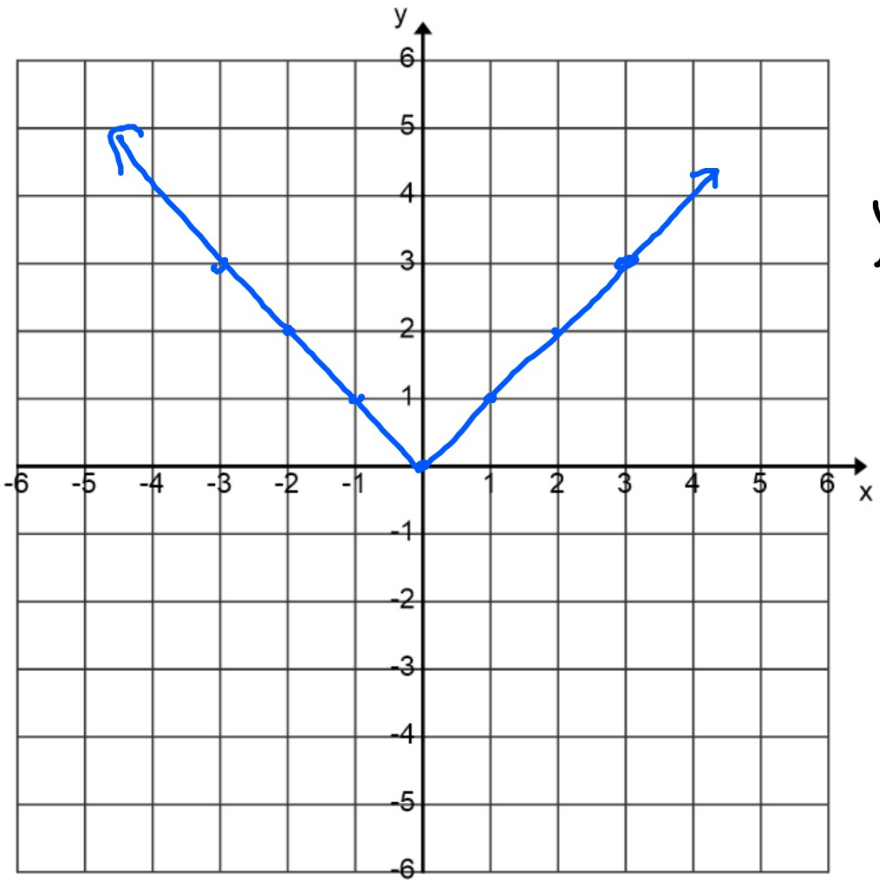
$y = x^2$

$y = \frac{1}{2}x^2$

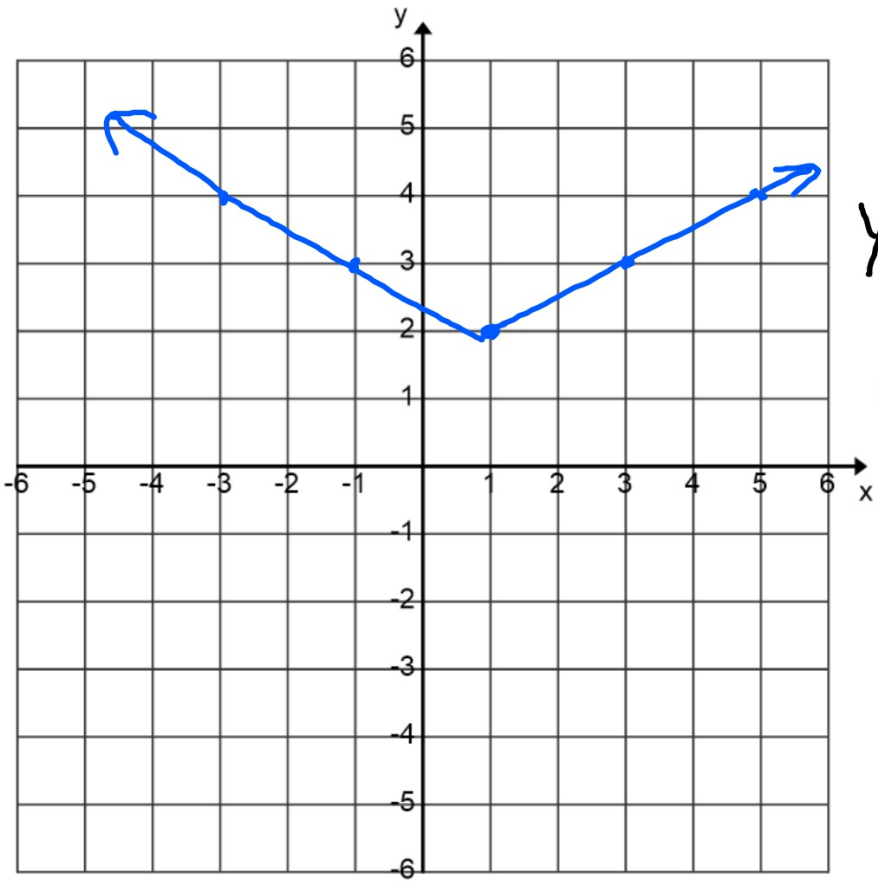
x	y
0	0
1	$\frac{1}{2}$
2	2

$y = 2x^2$

x	y
0	0
1	2
2	8



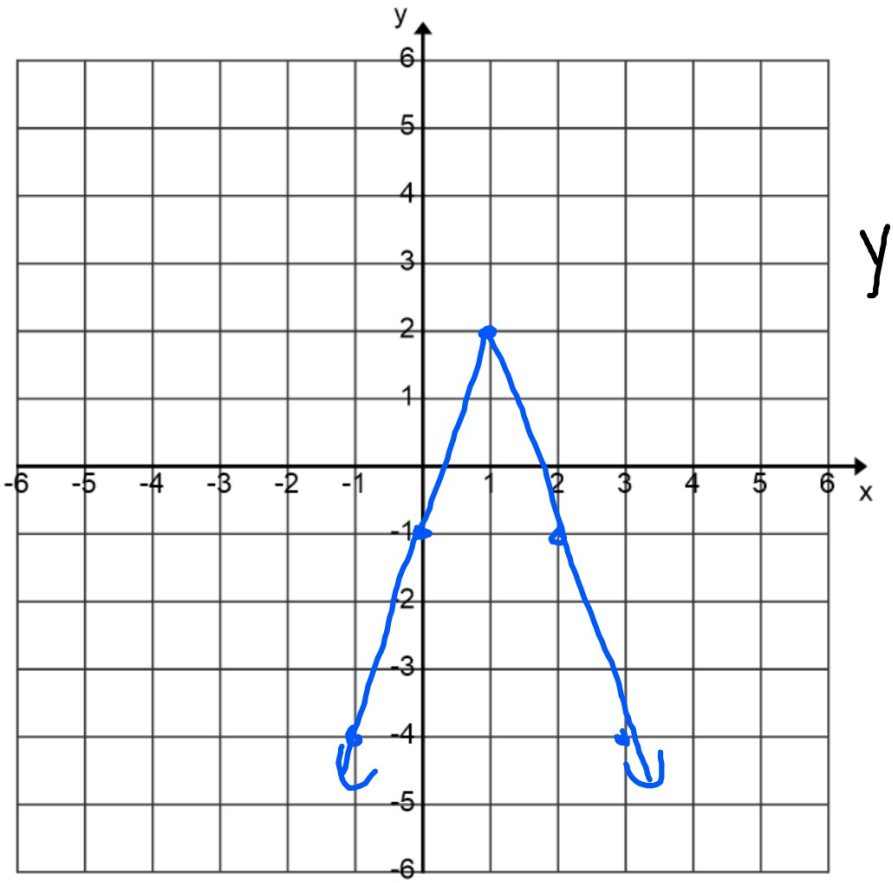
$y = |x|$



$y = \frac{1}{2}|x - 1| + 2$

Vertex

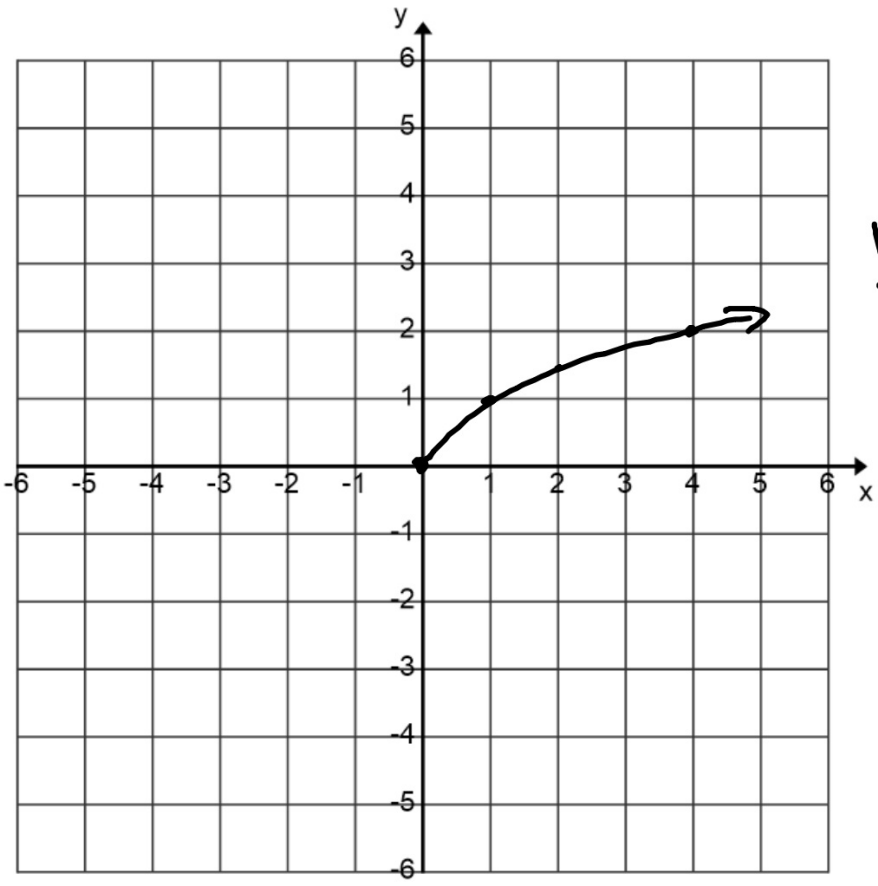
(1, 2)



$y = -3|x-1|+2$

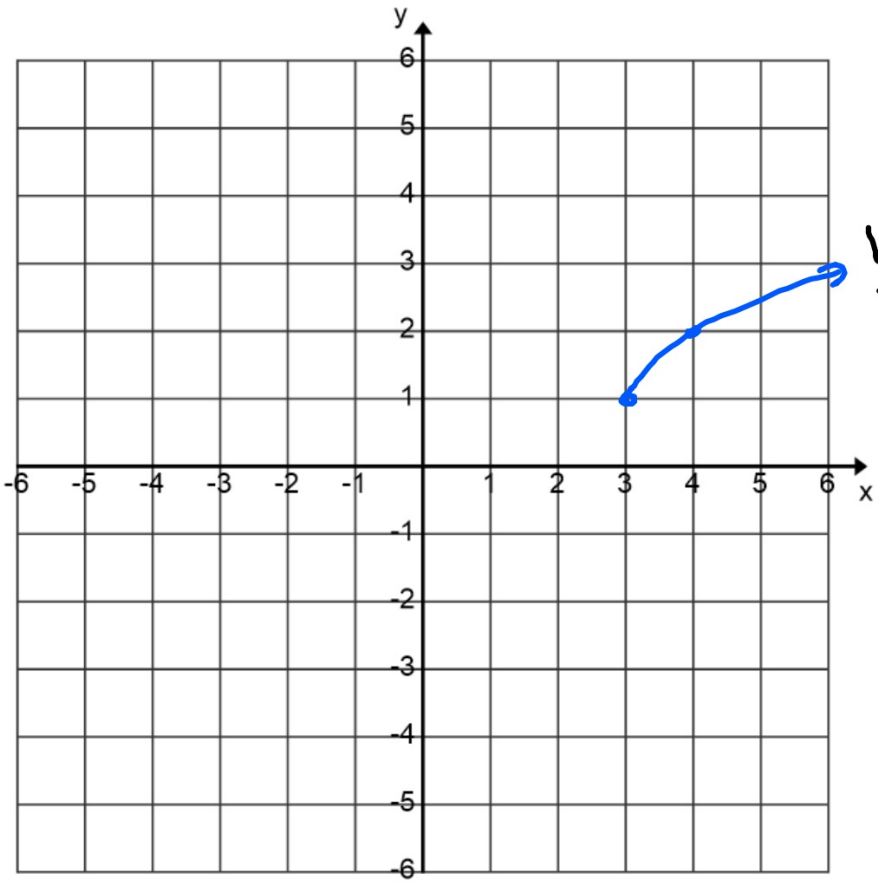
Vertex

(1, 2)



$y = \sqrt{x}$

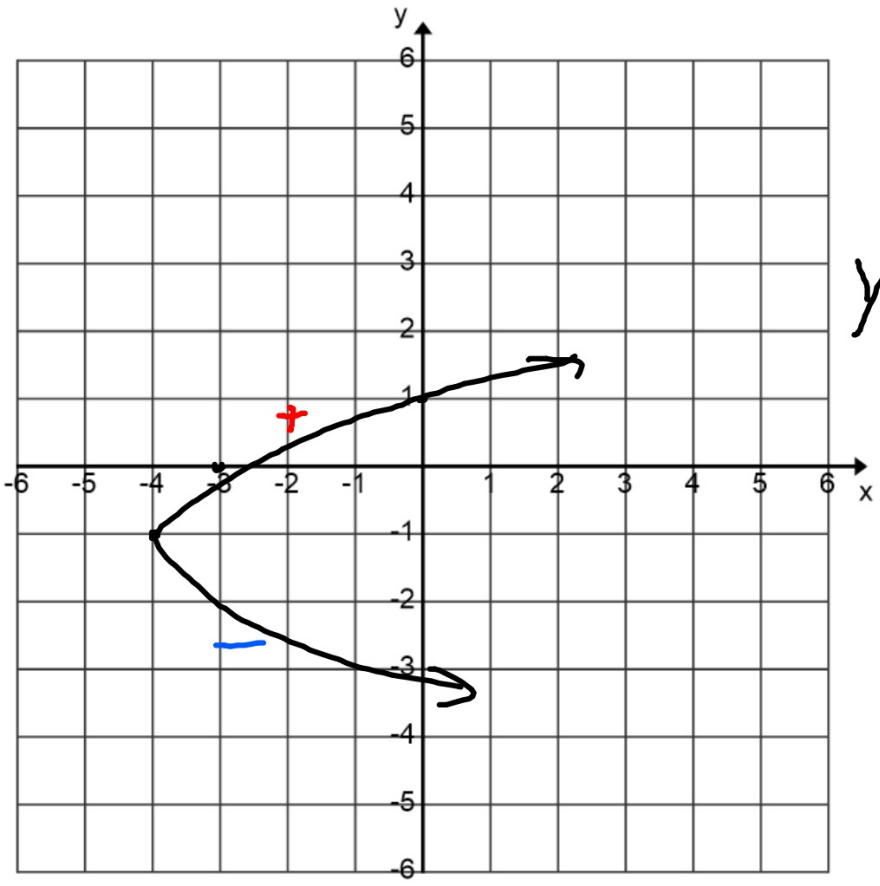
x	y
0	0
1	1
2	1.414
4	2



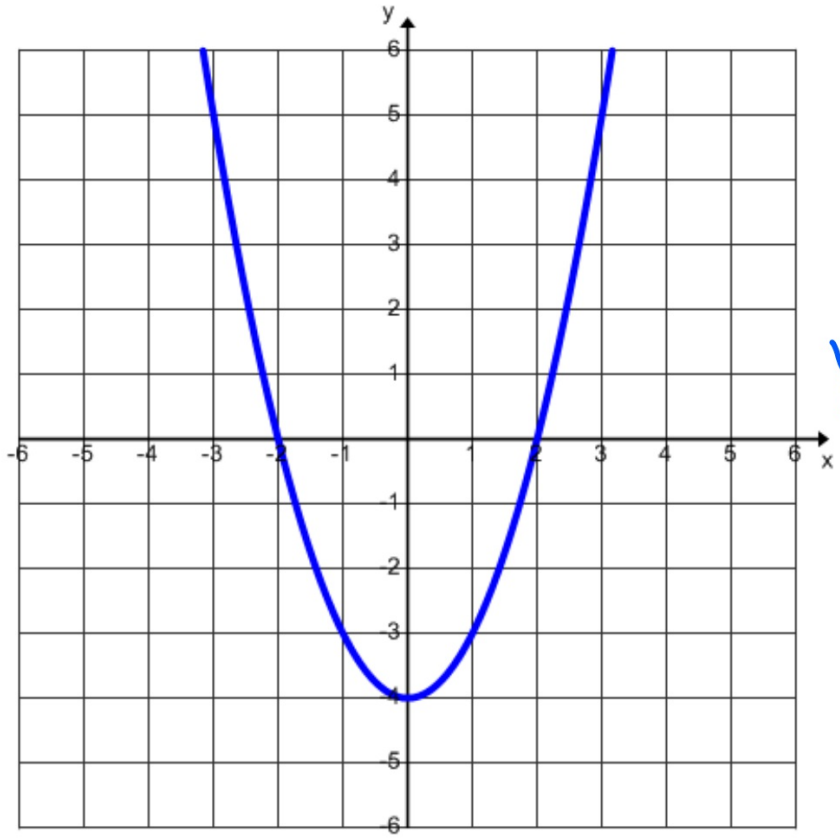
$y = \sqrt{x-3} + 1$

Vertex

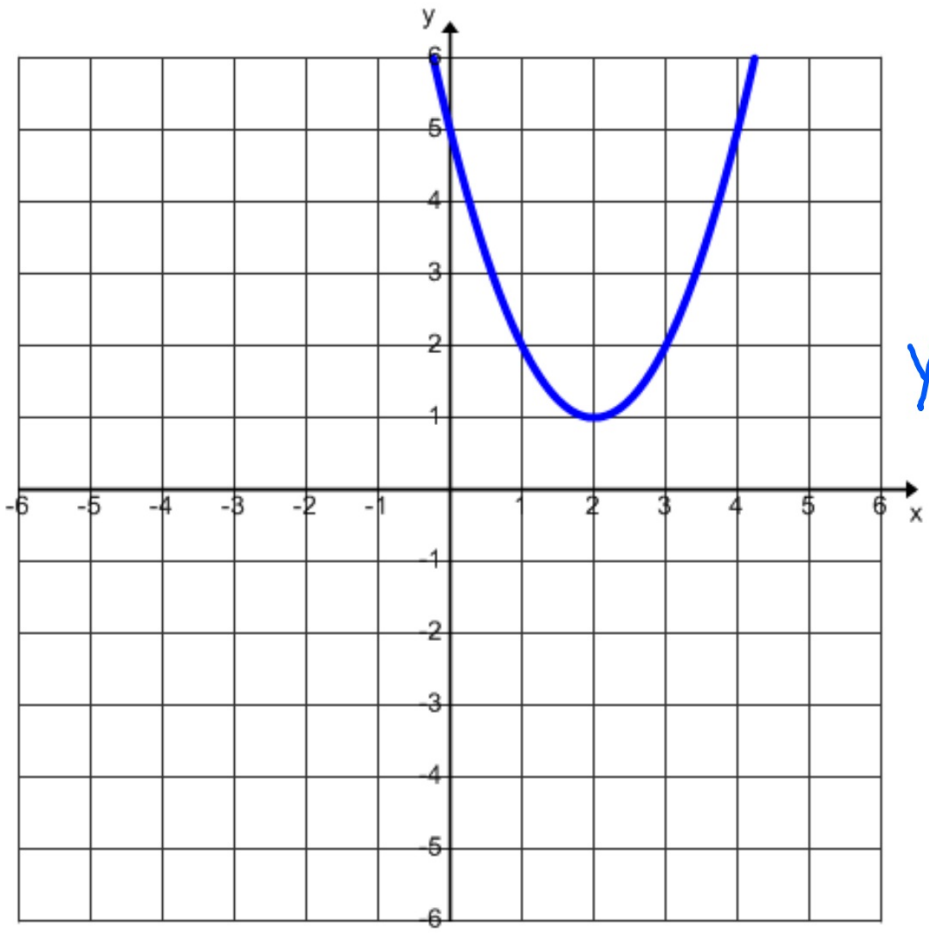
(3, 1)



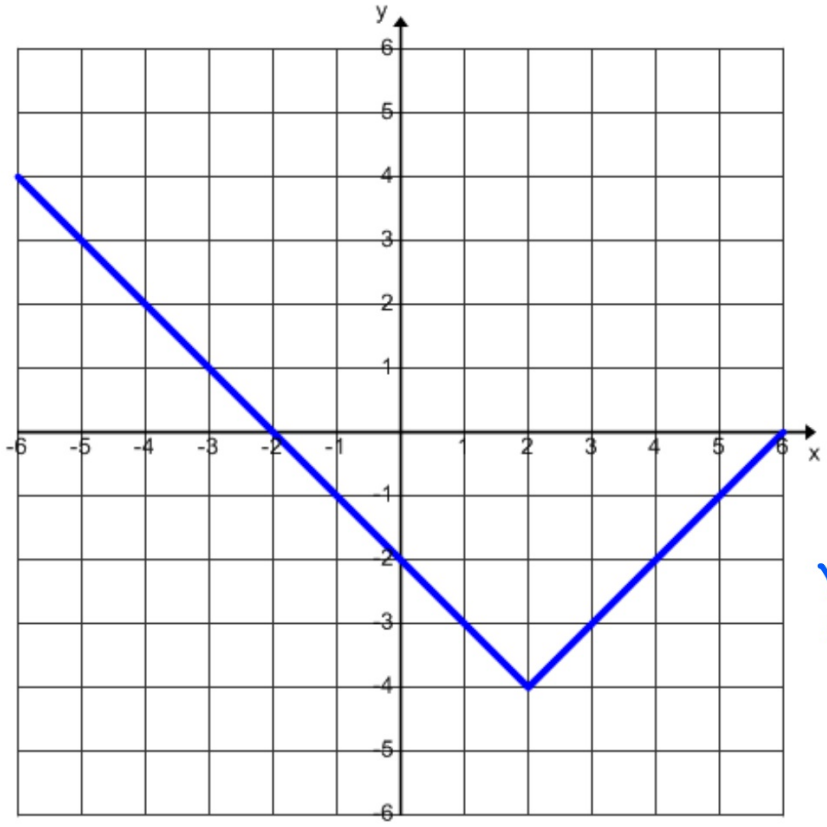
$y = \pm\sqrt{x+4} - 1$



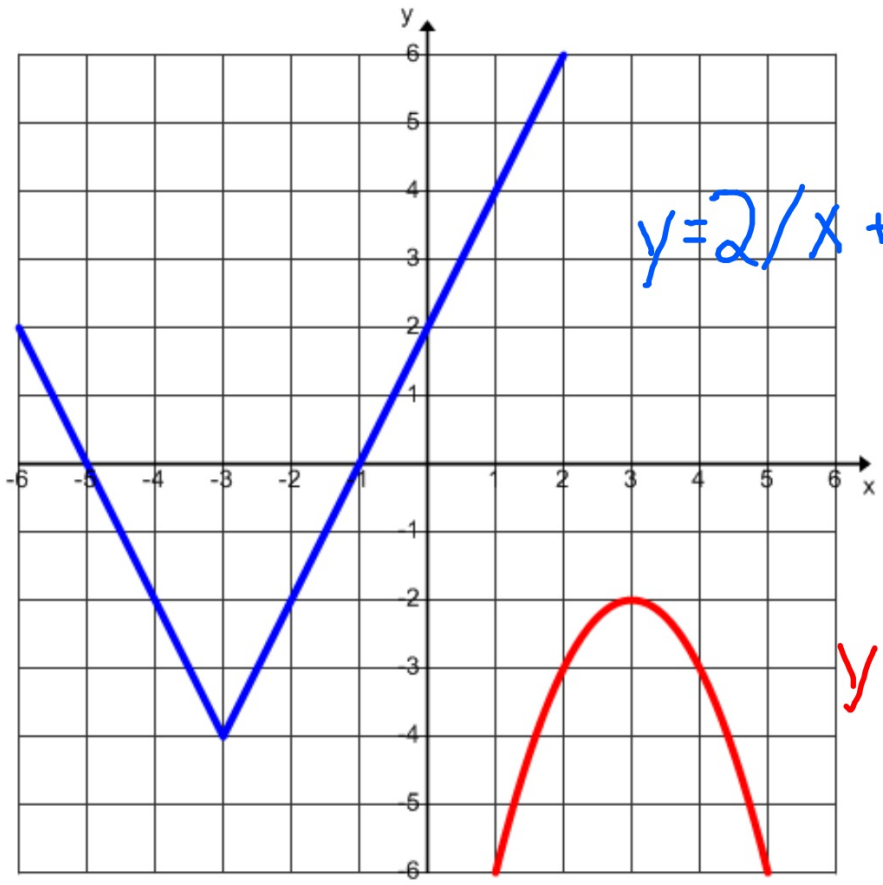
$y = x^2 - 4$



$y = (x-2)^2 + 1$

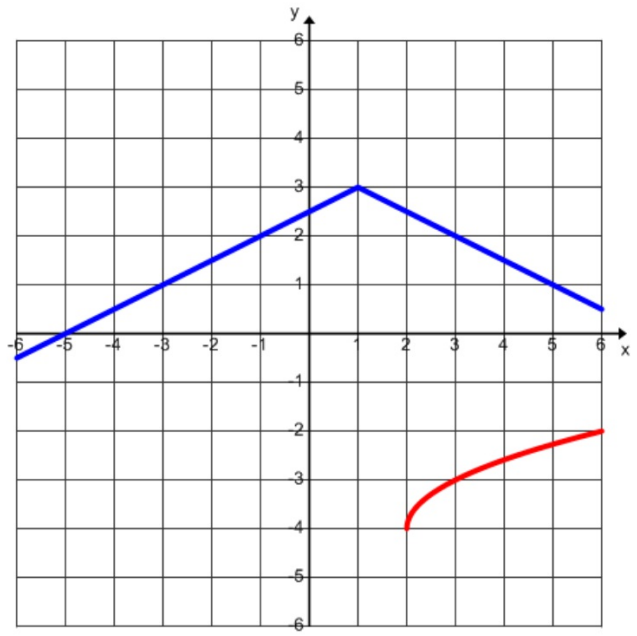


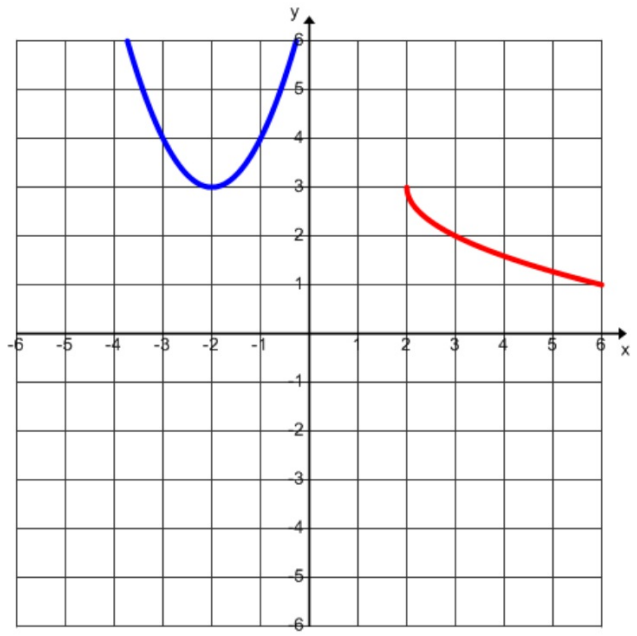
$y = |x-2| - 4$



$y=2|x+3|-4$

$y=-(x-3)^2-2$


y
x
6
5
4
3
2
1
-1
-2
-3
-4
-5
-6
-6
-5
-4
-3
-2
-1
1
2
3
4
5
6


y
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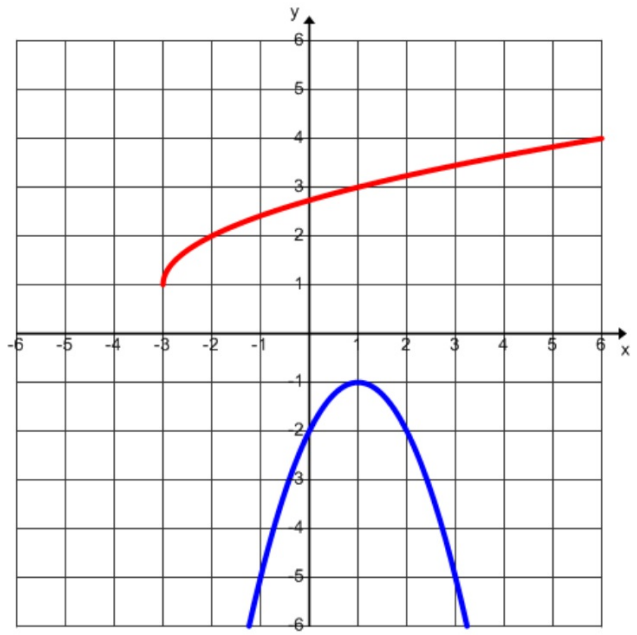
y
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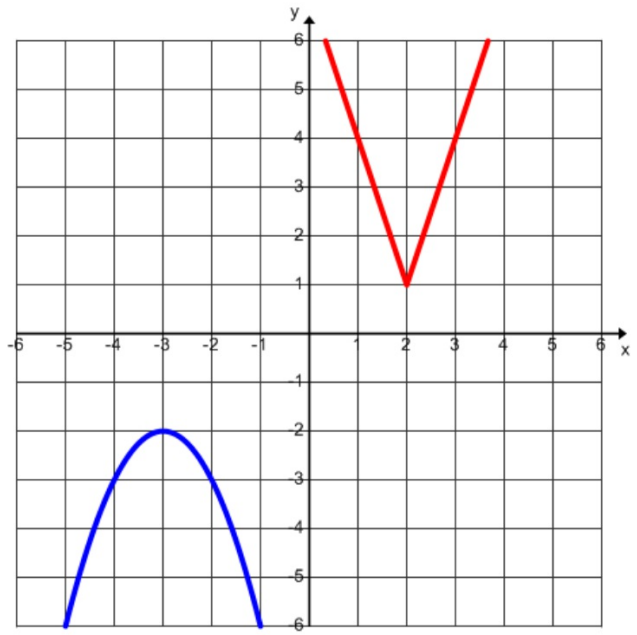
6


y
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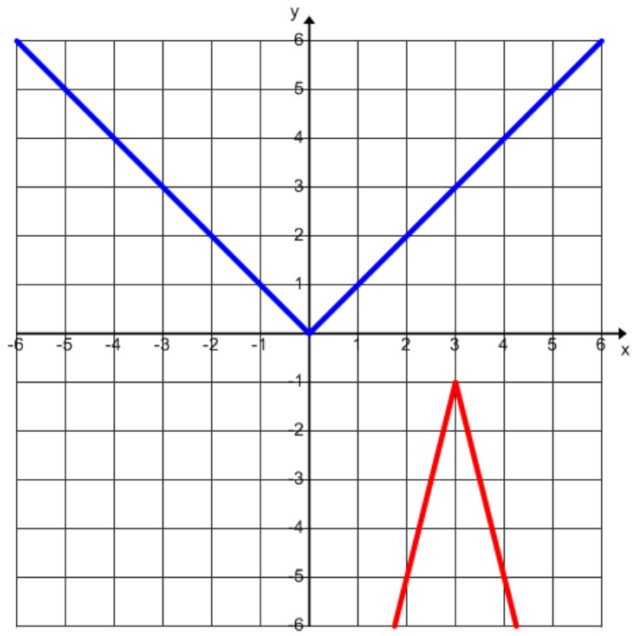
y
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-6
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-2
-1
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6