

Sketch the graph of each function.

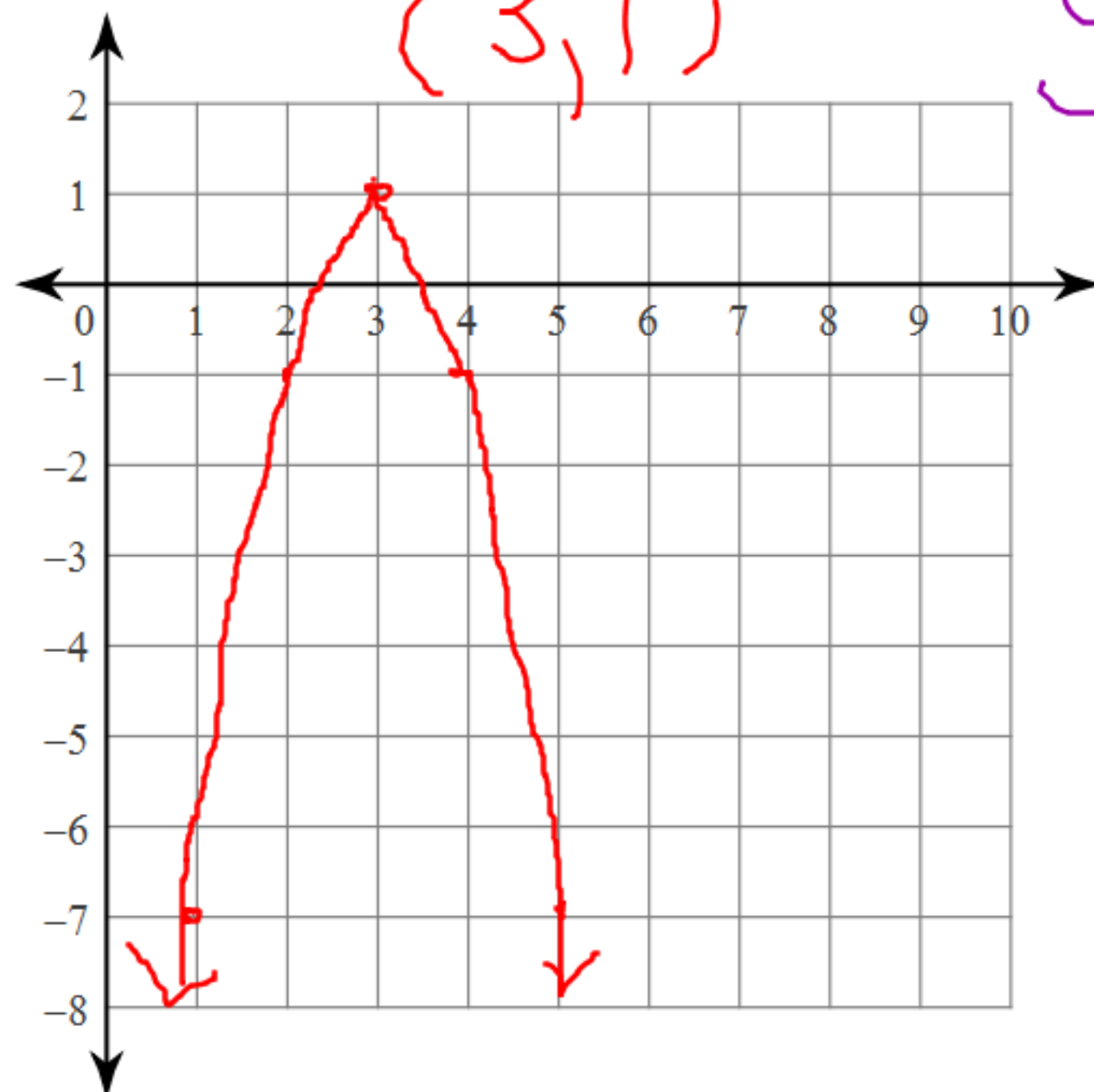
Vertex form of quadratic equation

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

$(3, 1)$

$$y = a(x - h)^2 + k$$

Vertex (h, k)



x	y
1	-7
2	-1
3	1
4	-1
5	-7

Apr. 20

- ☒ Question numbers ☐ Show answers
☒ Directions ☒ Changing questions hides answers
☒ Lines Zoom:

More like these



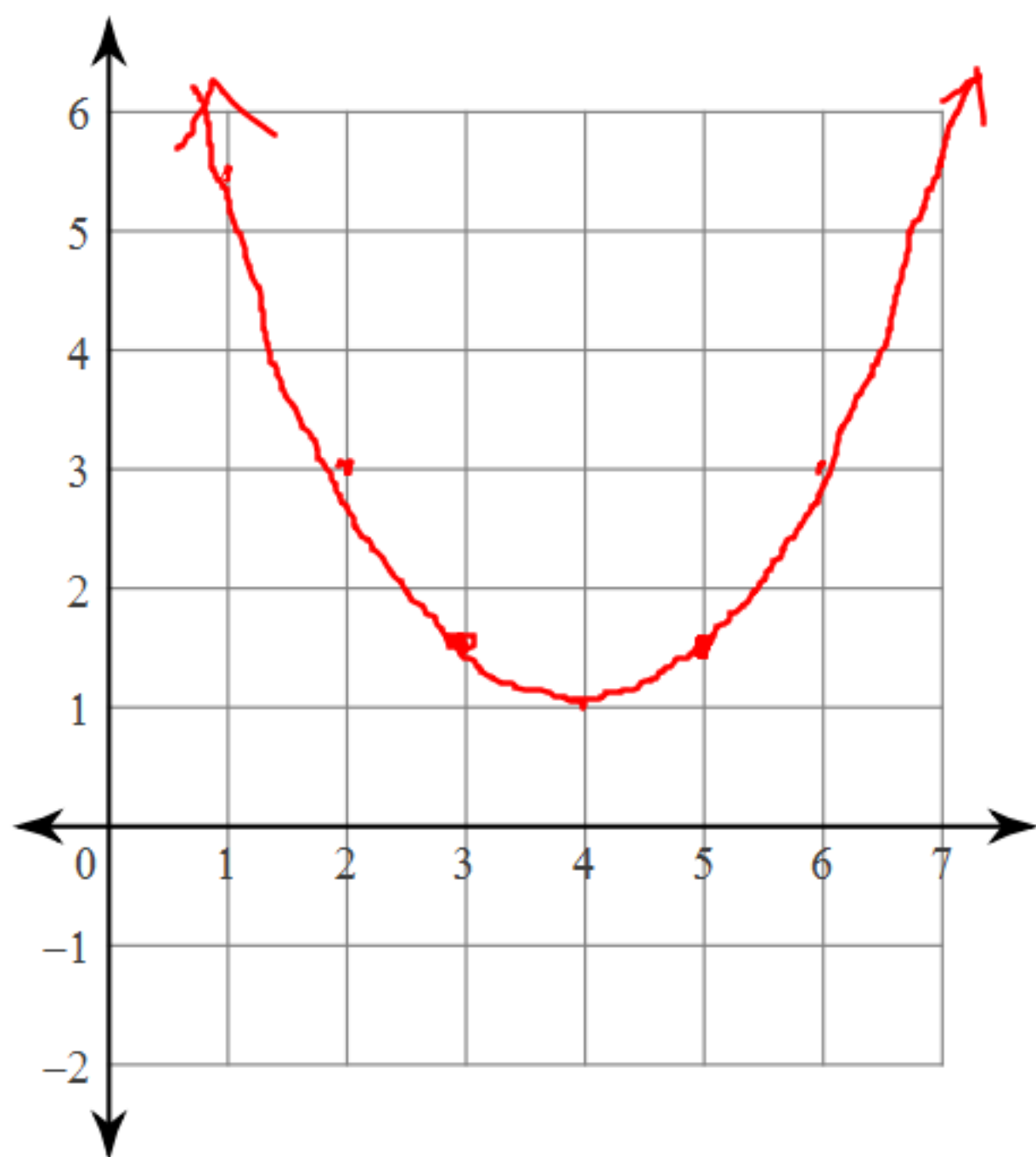
Jump



1-up

Sketch the graph of each function.

2) $y = \frac{1}{2}(x - 4)^2 + 1$



vertex = (4, 1)

x	y
1	5.5
2	3
3	1.5
4	1
5	1.5
6	3
7	5.5

- ☒ Question numbers
- ☐ Show answers
- ☒ Directions
- ☒ Changing questions hides answers
- ☒ Lines
- Zoom:

More like these



Jump



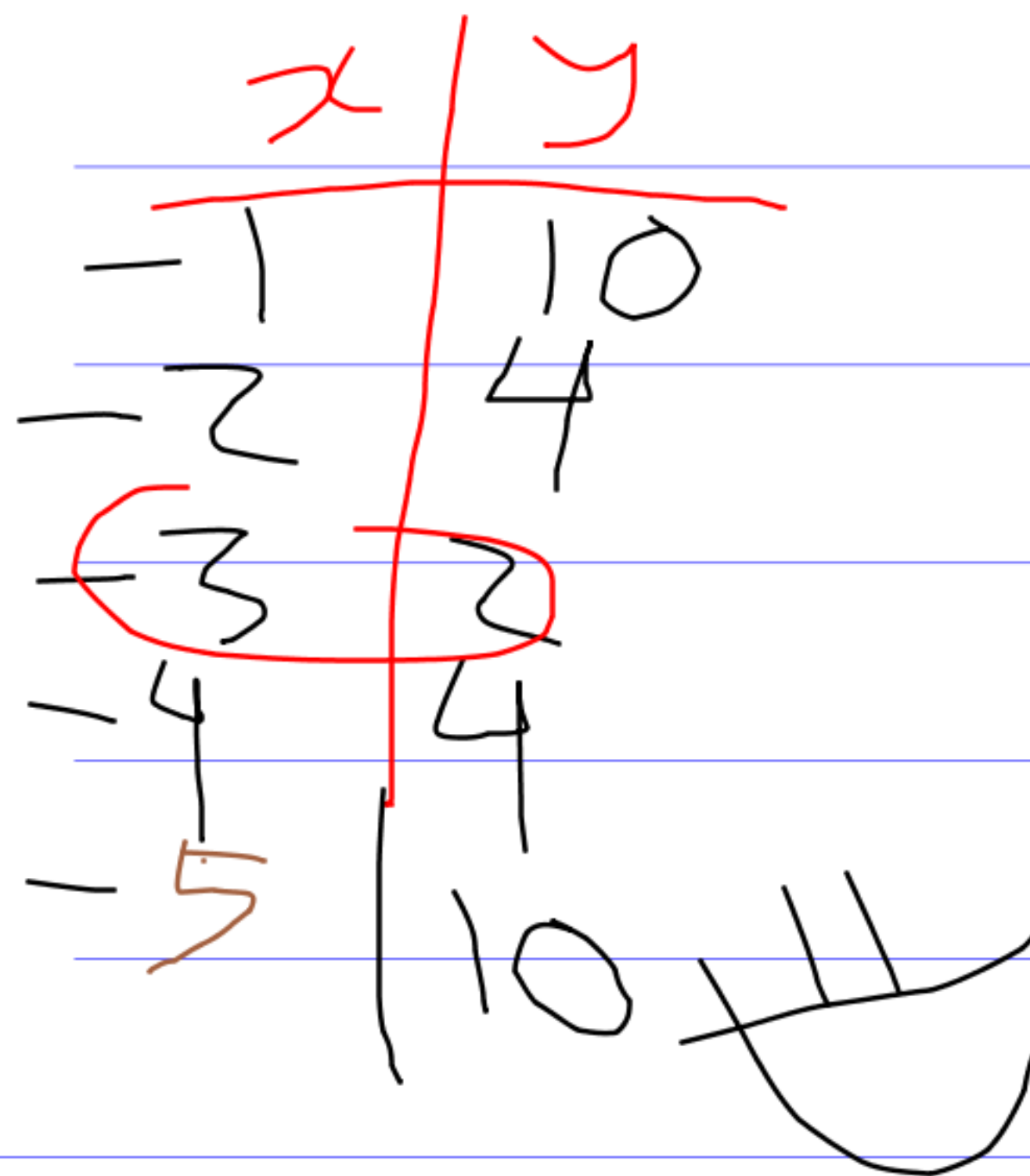
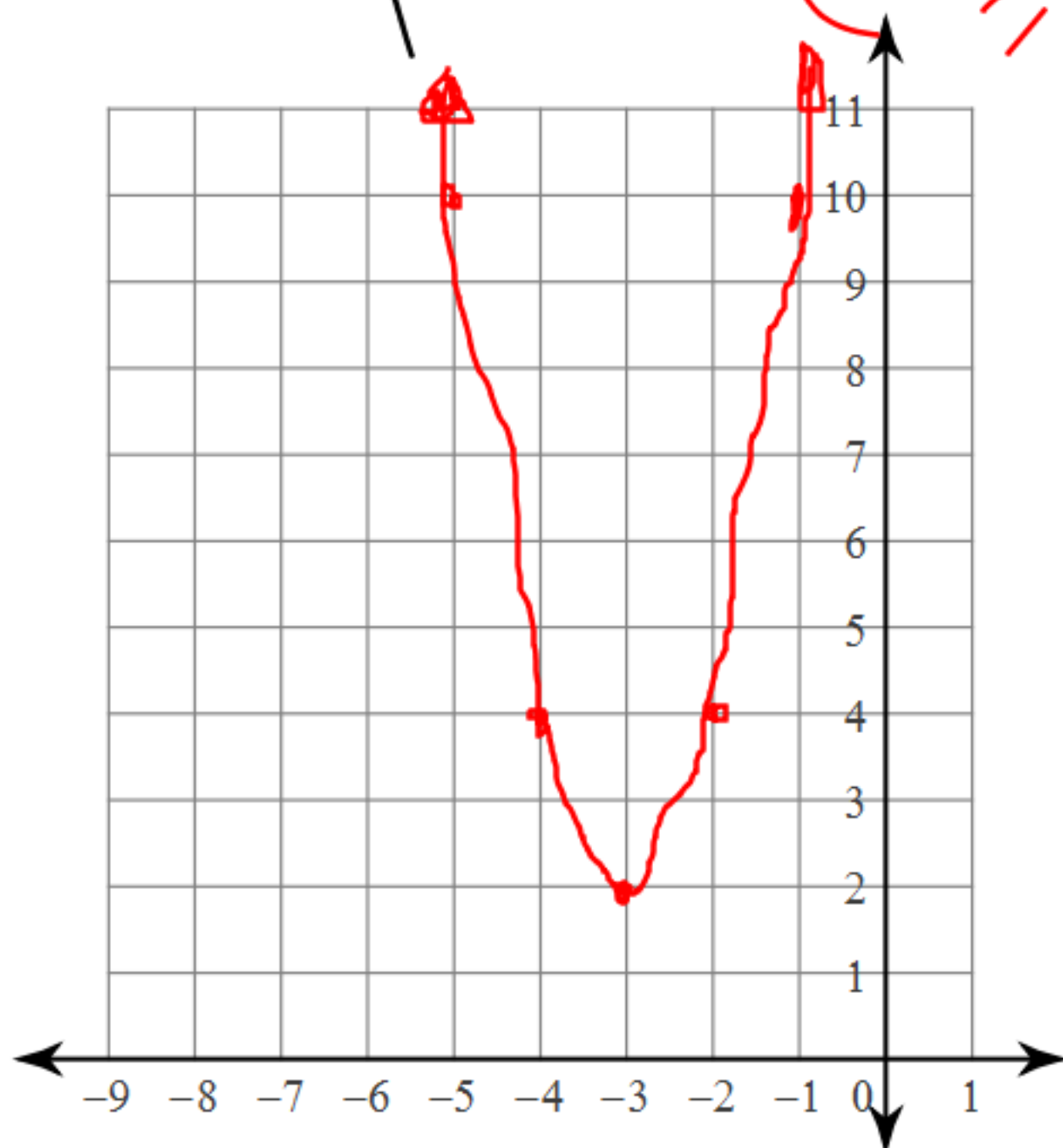
1-up

Sketch the graph of each function.

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

$(-3, 2)$

$$y = a(x - h)^2 + k$$



- ☒ Question numbers ☐ Show answers
☒ Directions ☒ Changing questions hides answers
☒ Lines Zoom:

More like these



Jump

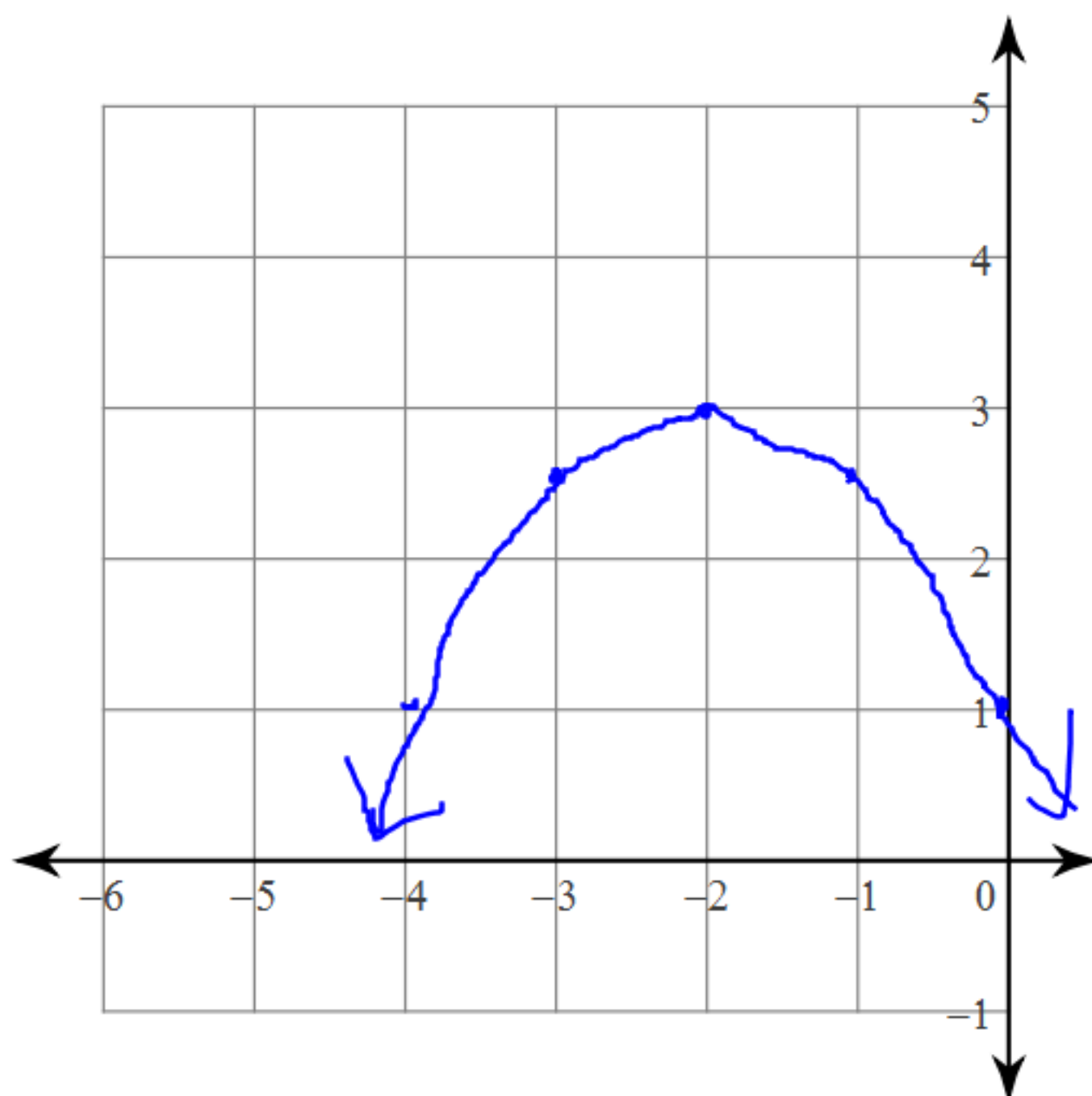


1-up

Sketch the graph of each function.

$$\text{vertex} = (-2, 3)$$

$$4) y = -\frac{1}{2}(x+2)^2 + 3$$

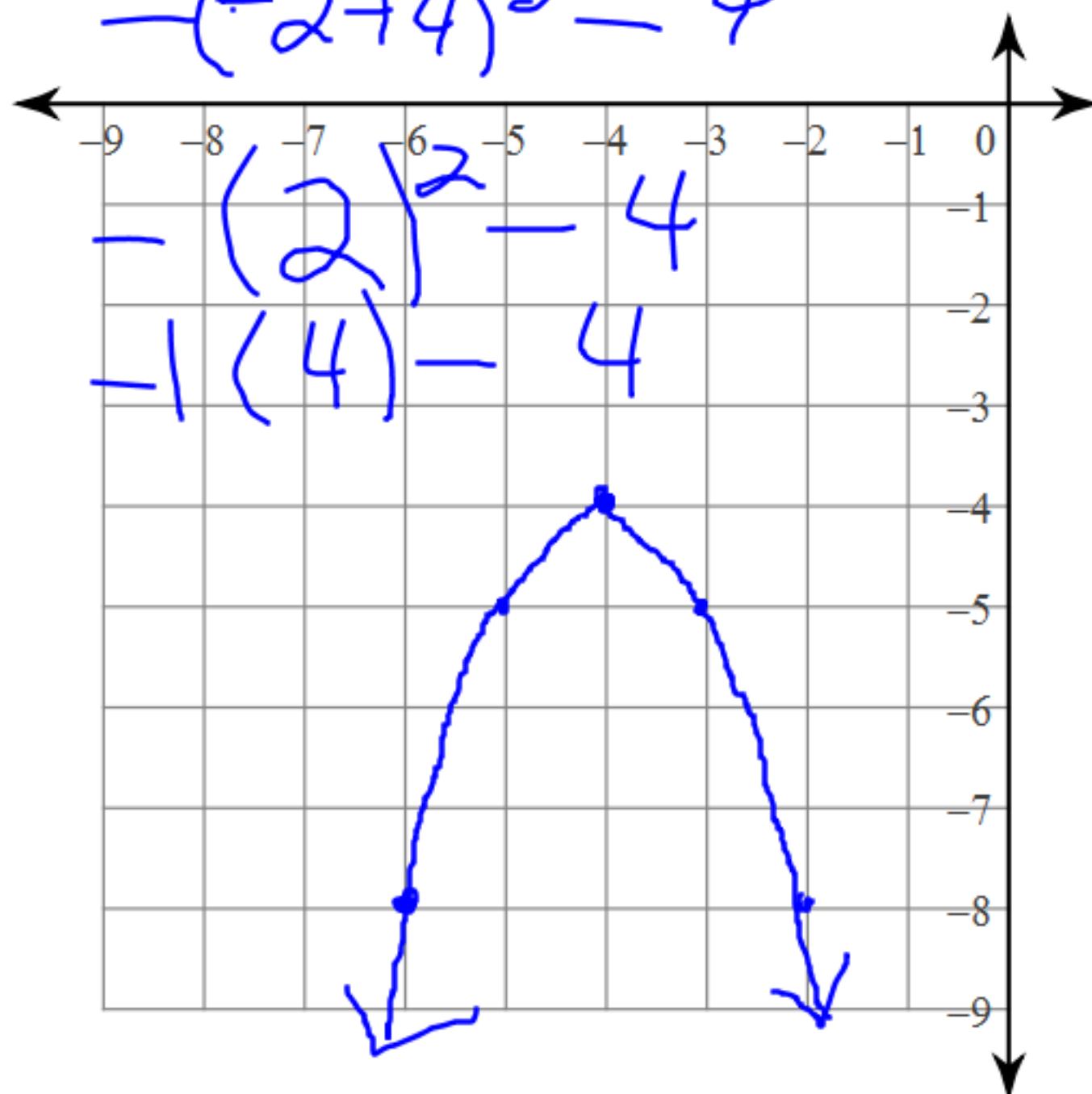


x	y
0	1
-1	2.5
-2	3
-3	2.5
-4	1

Sketch the graph of each function.

5) $y = -(x + 4)^2 - 4$

$-(2+4)^2 - 4$



$-(2)^2 - 4$

$-1(4) - 4$

vertex $(-4, -4)$

x	y
-2	-8
-3	-5
-4	-4
-5	-5
-6	-8

- ☒ Question numbers
☒ Directions
☒ Lines
- ☐ Show answers
☒ Changing questions hides answers
 Zoom:

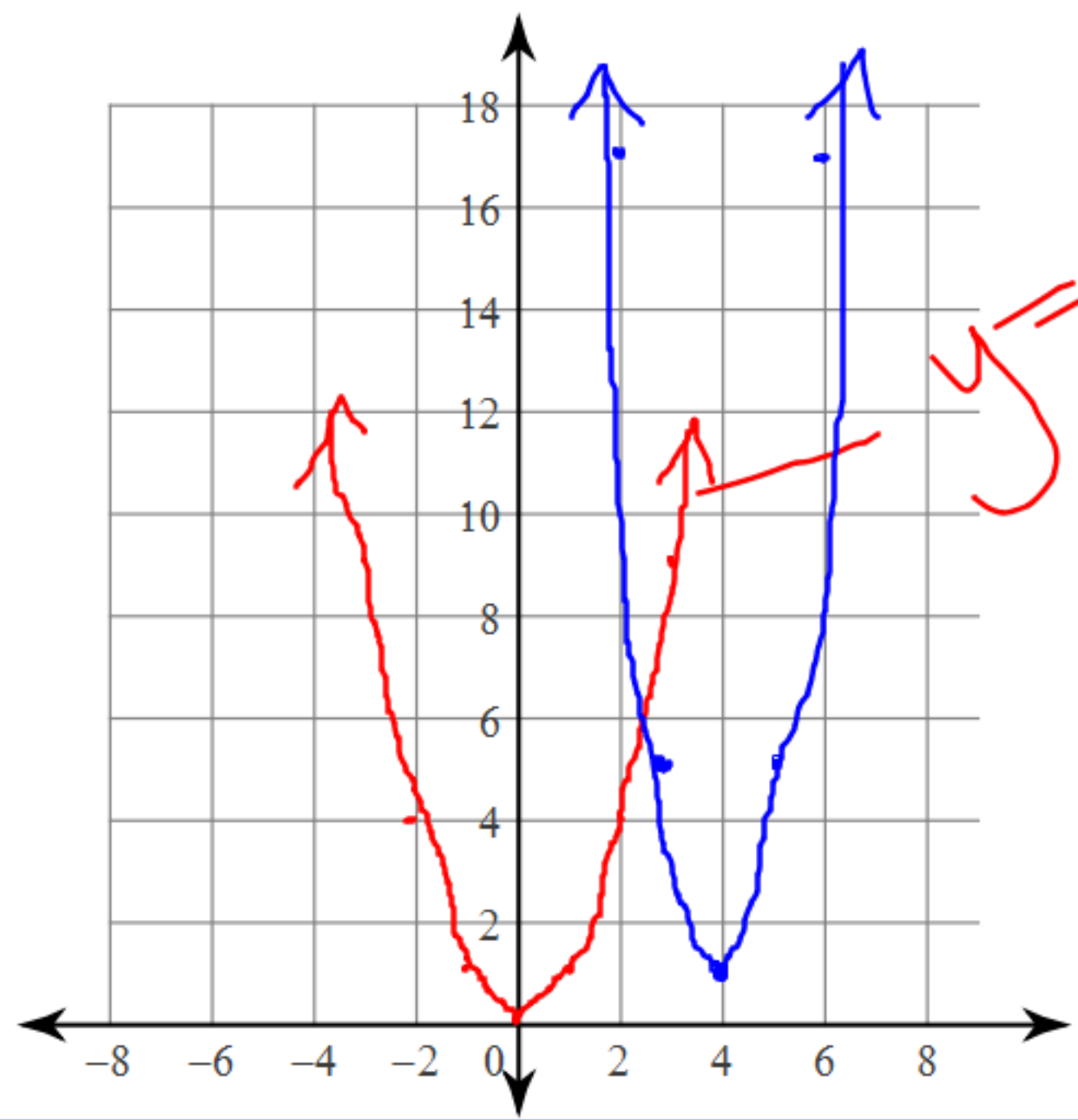
[More like these](#)
[←](#)
[Jump](#)
[→](#)

Sketch the graph of each function.

6) $y = 4(x - 4)^2 + 1$

vertex (4, 1)

$y = x^2$



$$y = x^2$$

x	y
3	9
2	4
1	1
0	0
-1	1
-2	4
-3	9

☒ Question numbers ☐ Show answers
☒ Directions ☒ Changing questions hides answers
☒ Lines Zoom: 

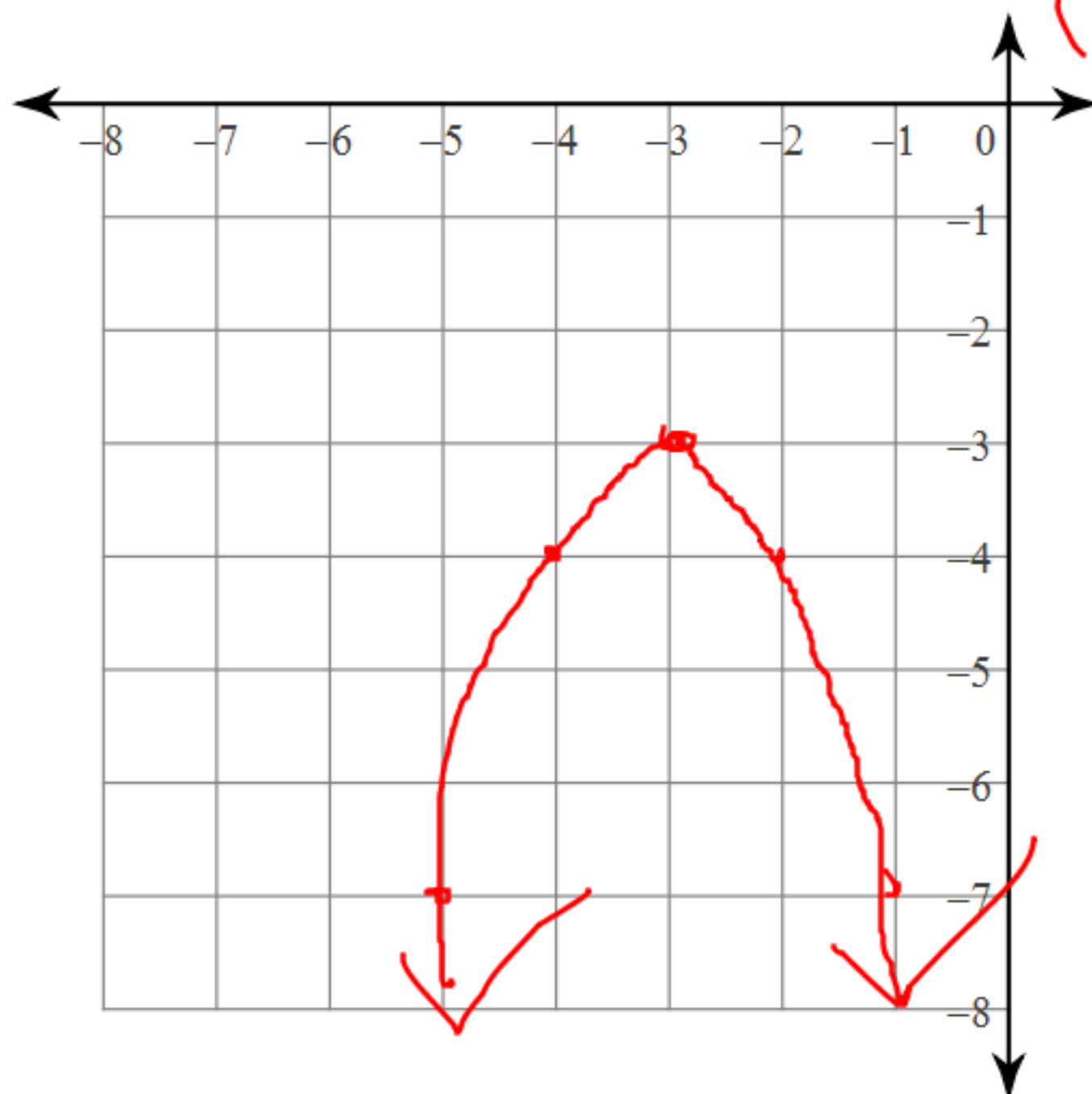
[More like these](#)[Jump](#)

1-up

Sketch the graph of each function.

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

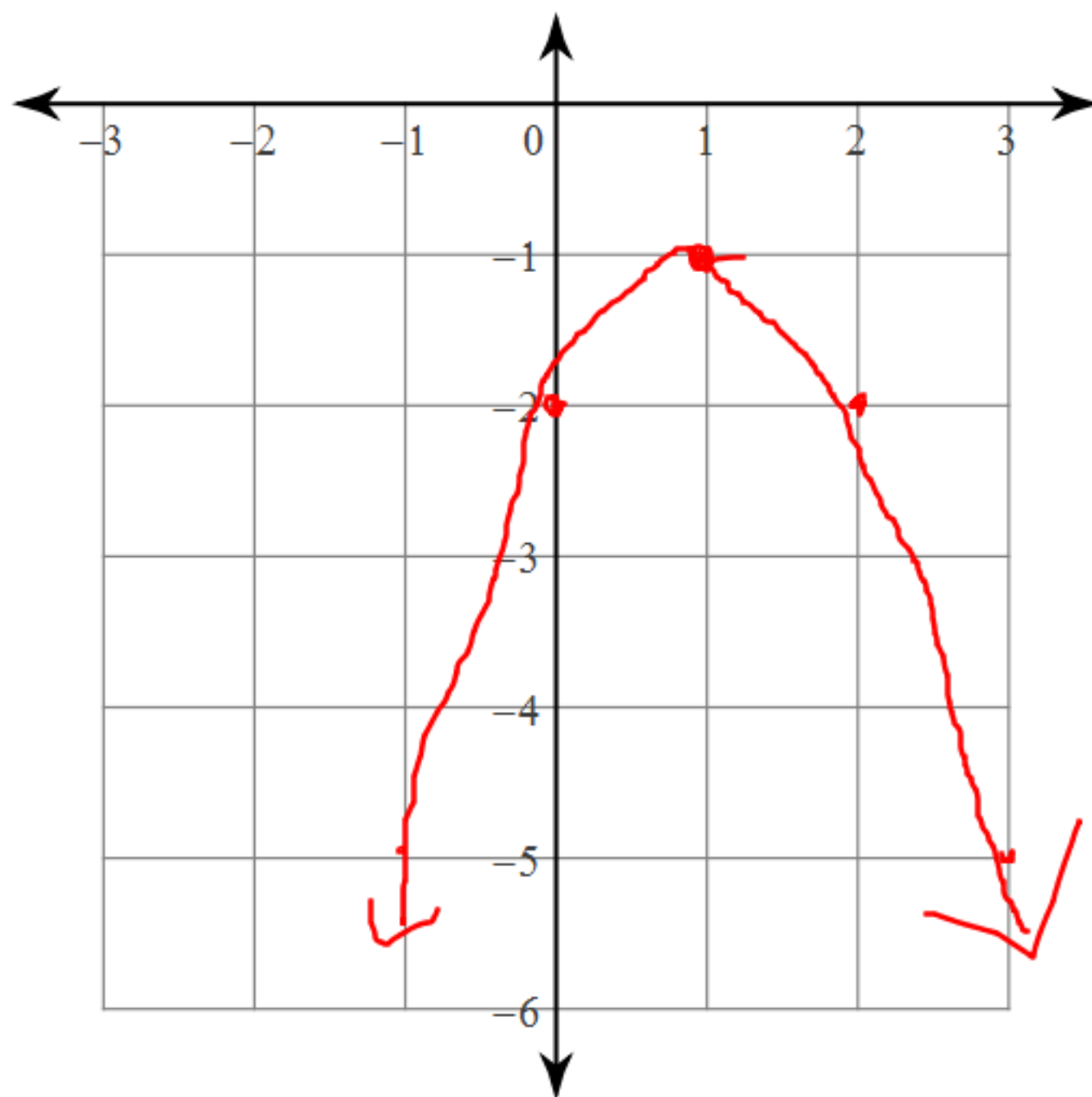
vertex
 $(-3, -3)$



Sketch the graph of each function.

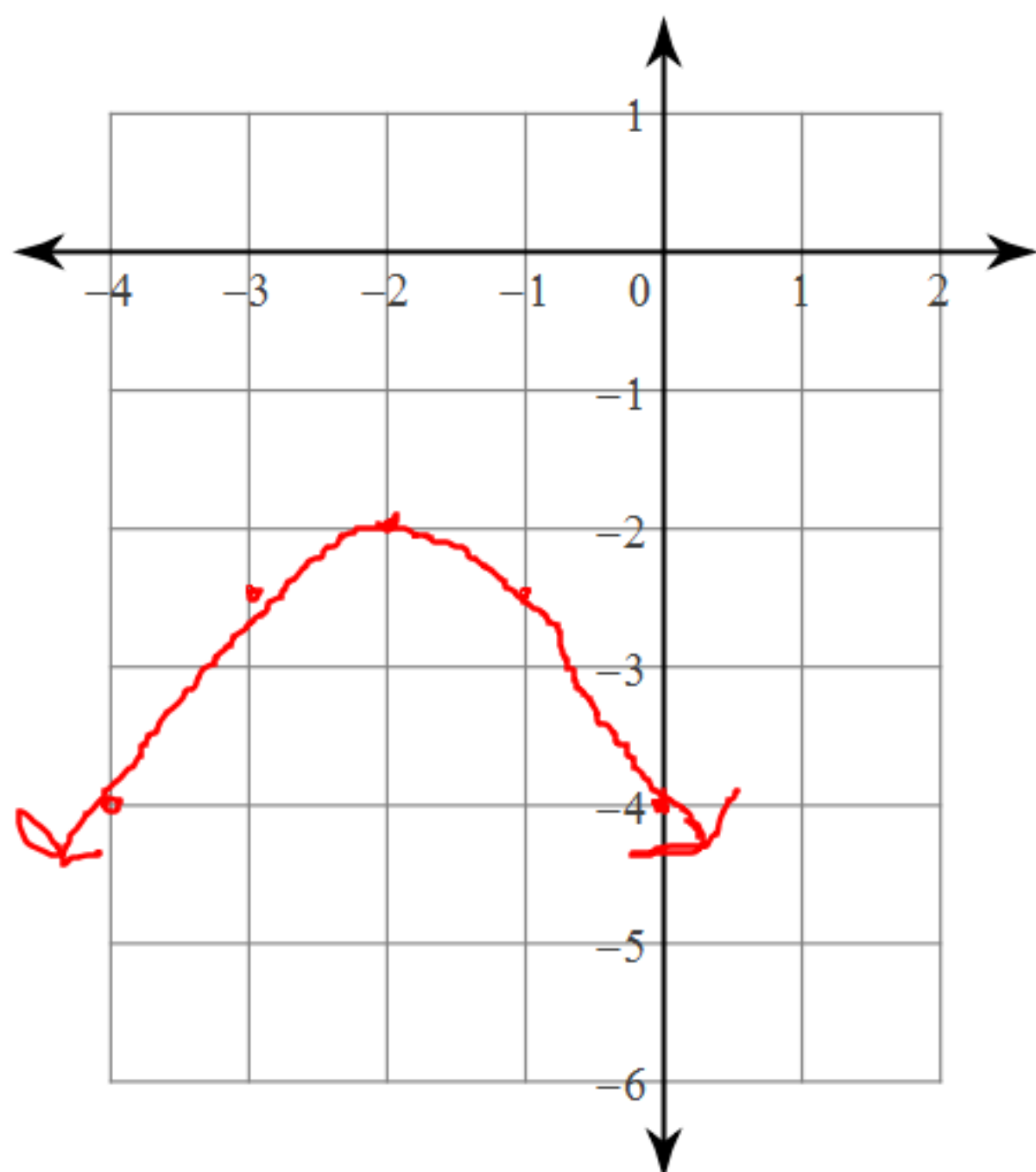
8) $y = -(x - 1)^2 - 1$

Vertex (1, -1)



Sketch the graph of each function.

9) $y = -\frac{1}{2}(x + 2)^2 - 2$



Vertex $(-2, -2)$