

Solve each equation by factoring

$$4) \ n^2 - 18 = -3n$$

X-18

$$n^2 + 3n - 18 = 0 \quad + 3$$

$$(n+6)(n-3) = 0$$

either $n+6=0$ or $n-3=0$

$$n = -b \quad n = m$$

S.S. - 63

Solve each equation by factoring

$$14) \quad 4n^2 = 12n$$

$$4n^2 - 12n = 0$$

$$(4n)(n-3) = 0$$

either $4n = 0$ or $n - 3 = 0$

4 4

$$n = 3$$

$$\cap = \cup$$

55 0, 3

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

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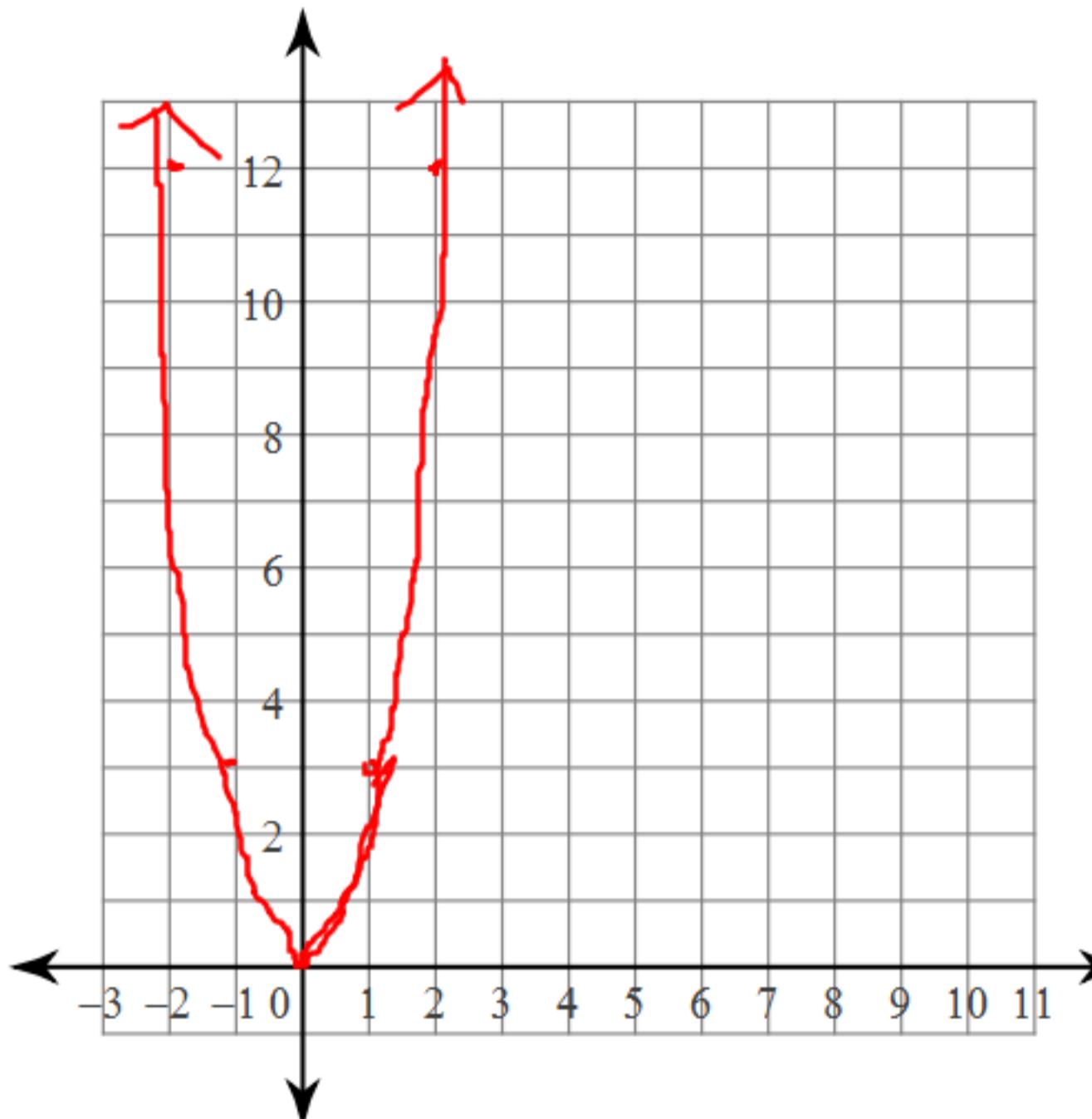


Jump



1-up

4) $y = 3x^2$



$$y = 3x^2$$

	x y
-2	12
-1	3
0	0
1	3
2	12

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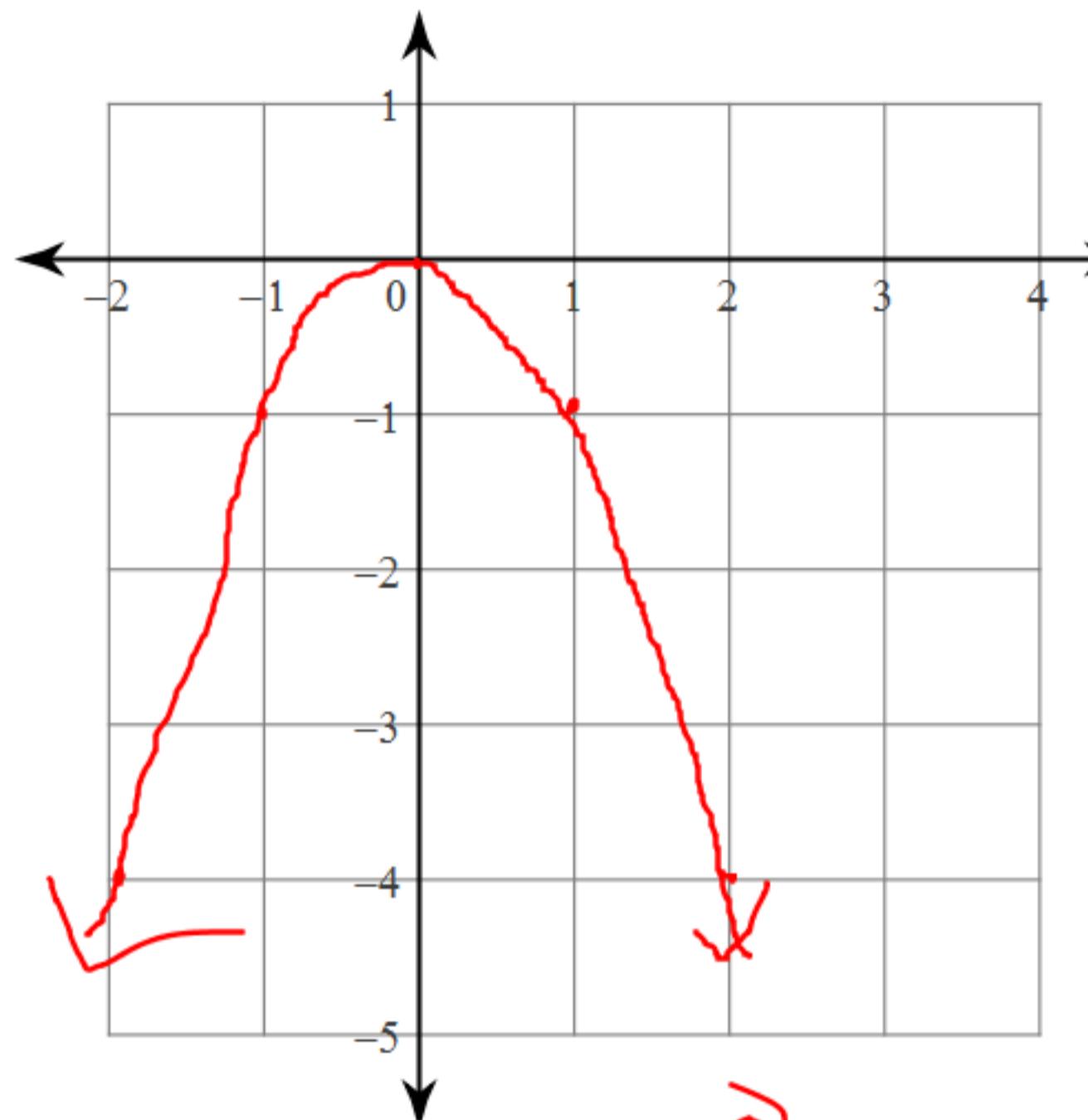


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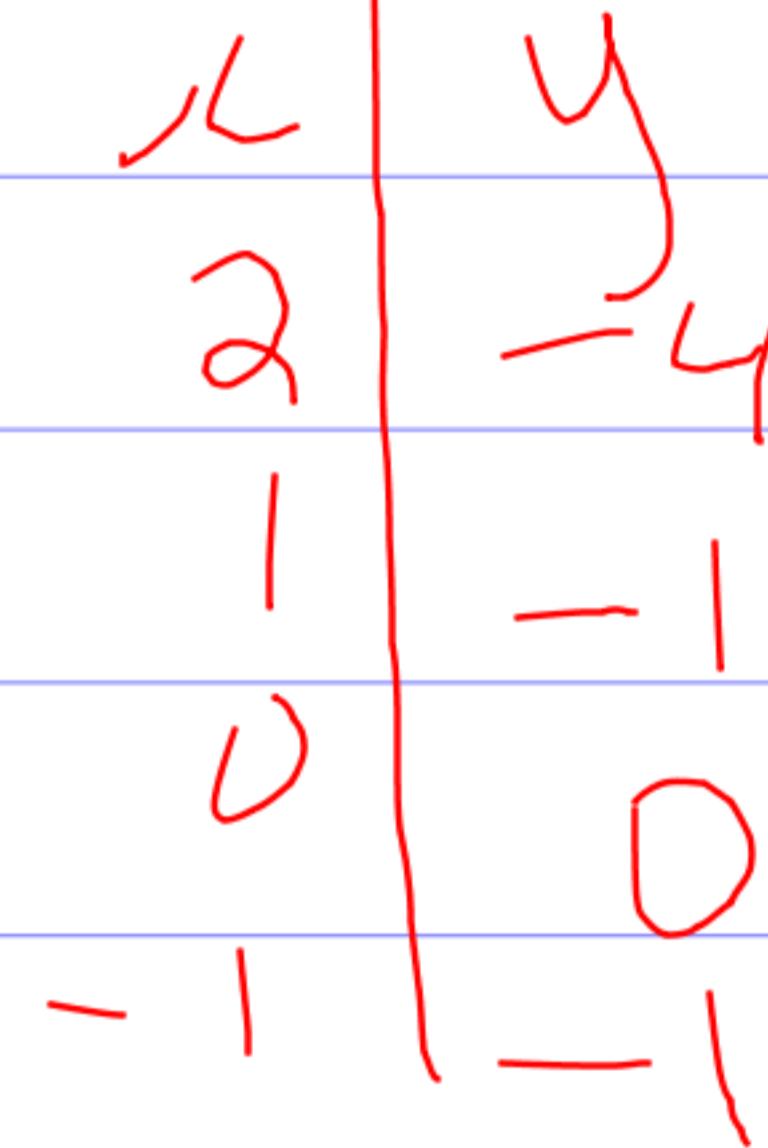
1-up

5) $y = -x^2$



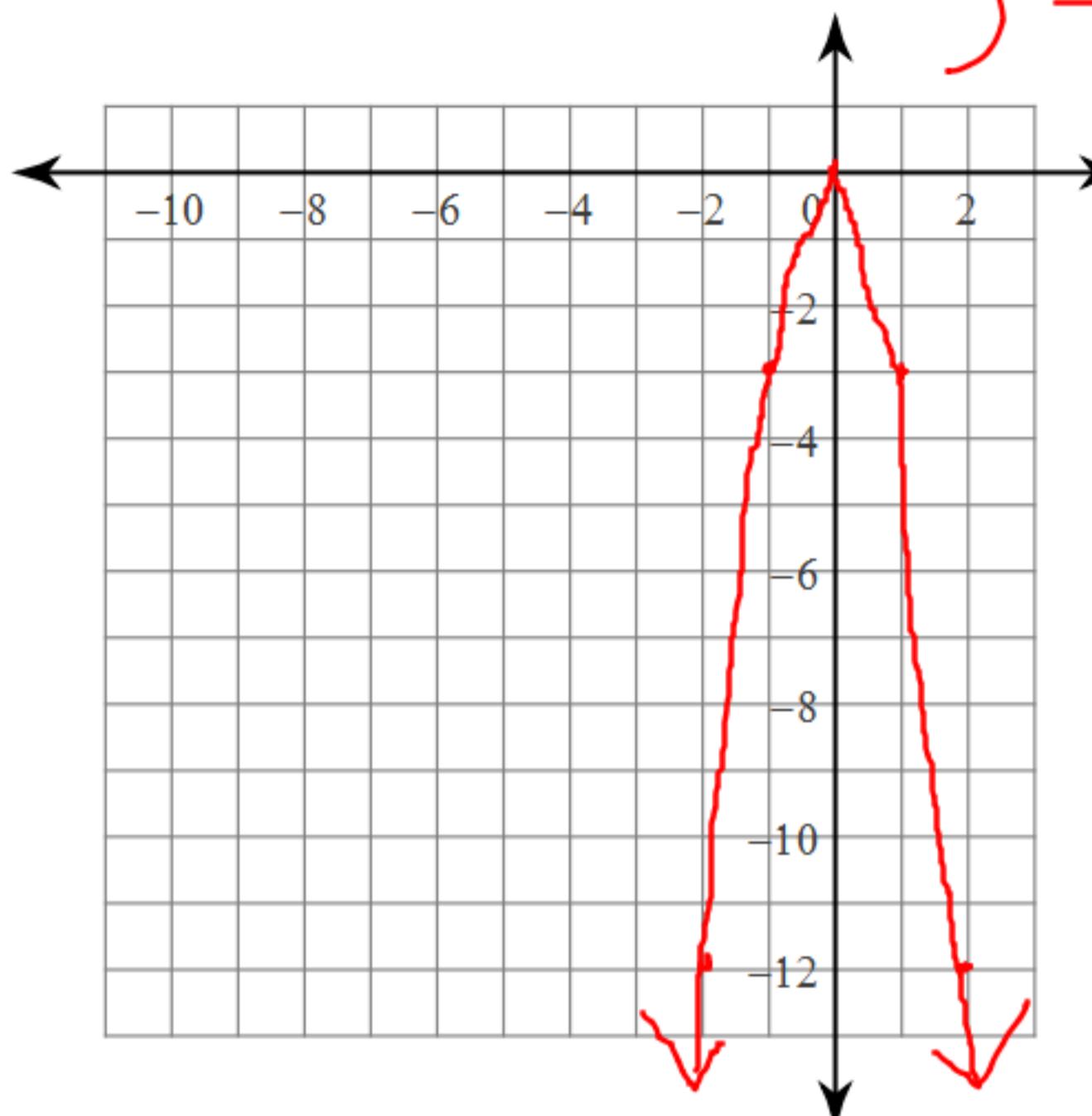
$y = (-1)^x$

$y = -x^2$



$-2 -4$

$$6) \ y = -3x^2$$



A hand-drawn graph of the parabola $y = -3x^2$. The graph is plotted on a coordinate plane with a grid. The x-axis is labeled with x and the y-axis with y . The vertex of the parabola is at the origin (0, 0). The graph passes through points such as (-1, -3), (1, -3), (-2, -12), and (2, -12). The curve is dashed, indicating it does not pass through the x-axis at the origin.

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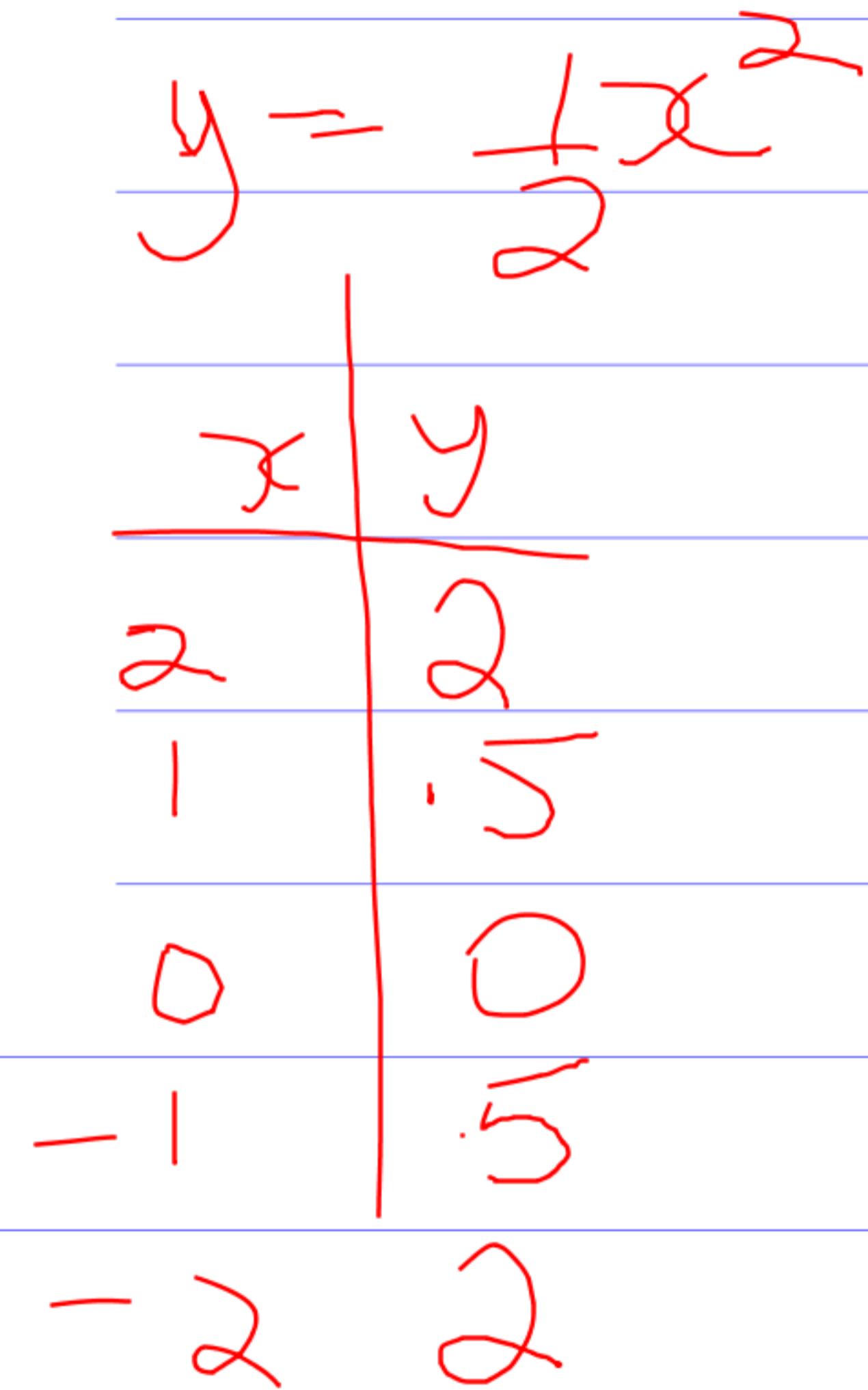
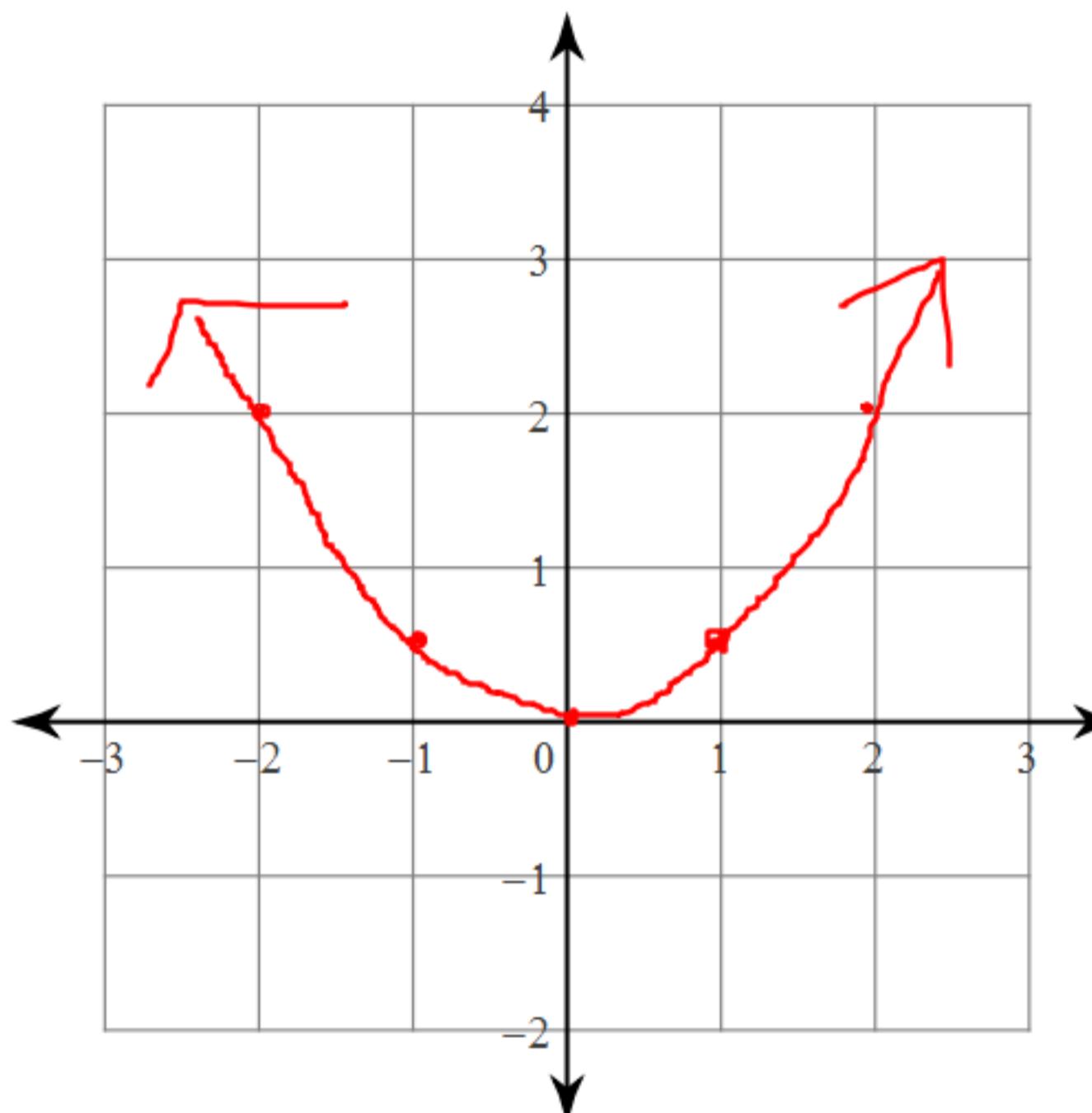


Jump



1-up

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



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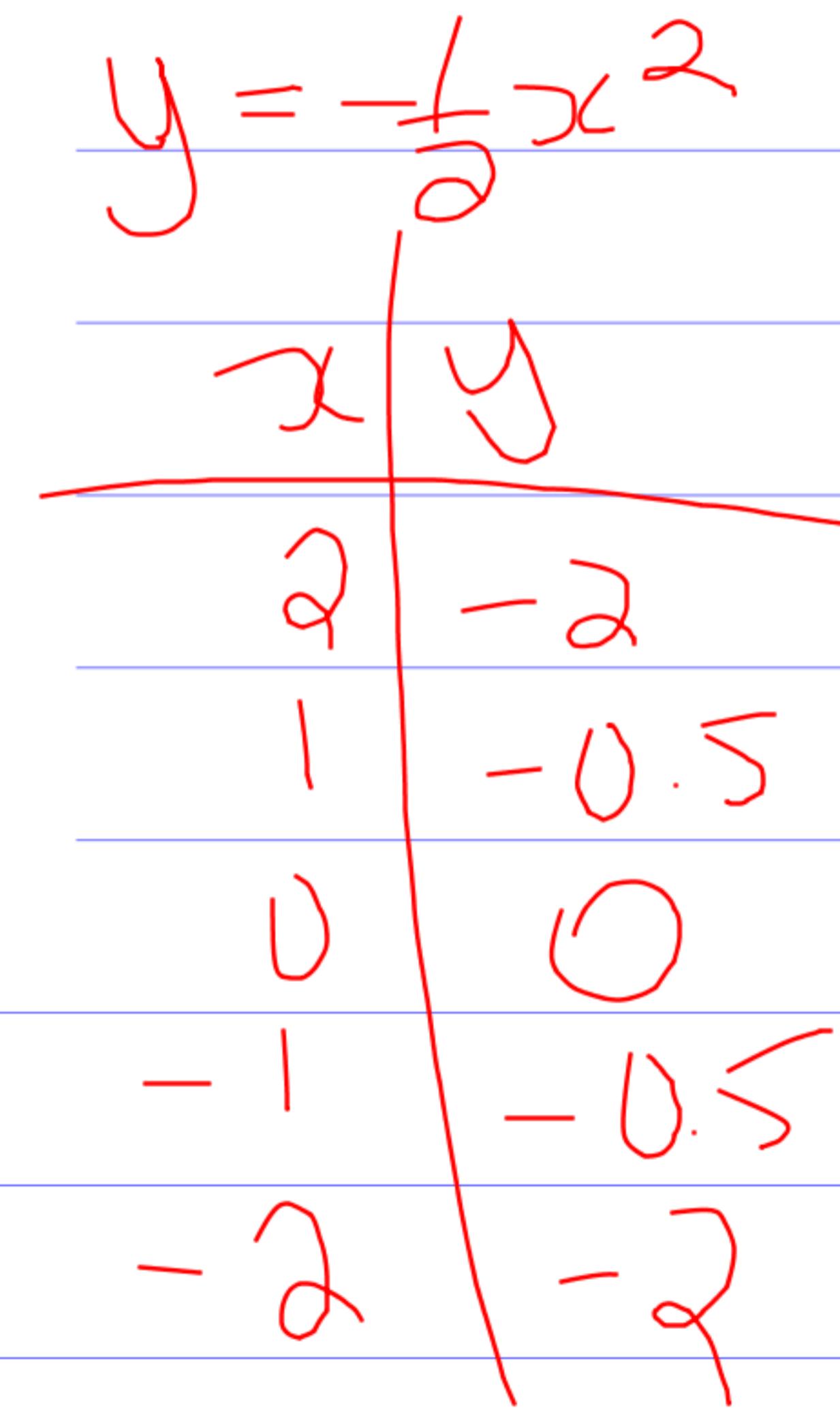
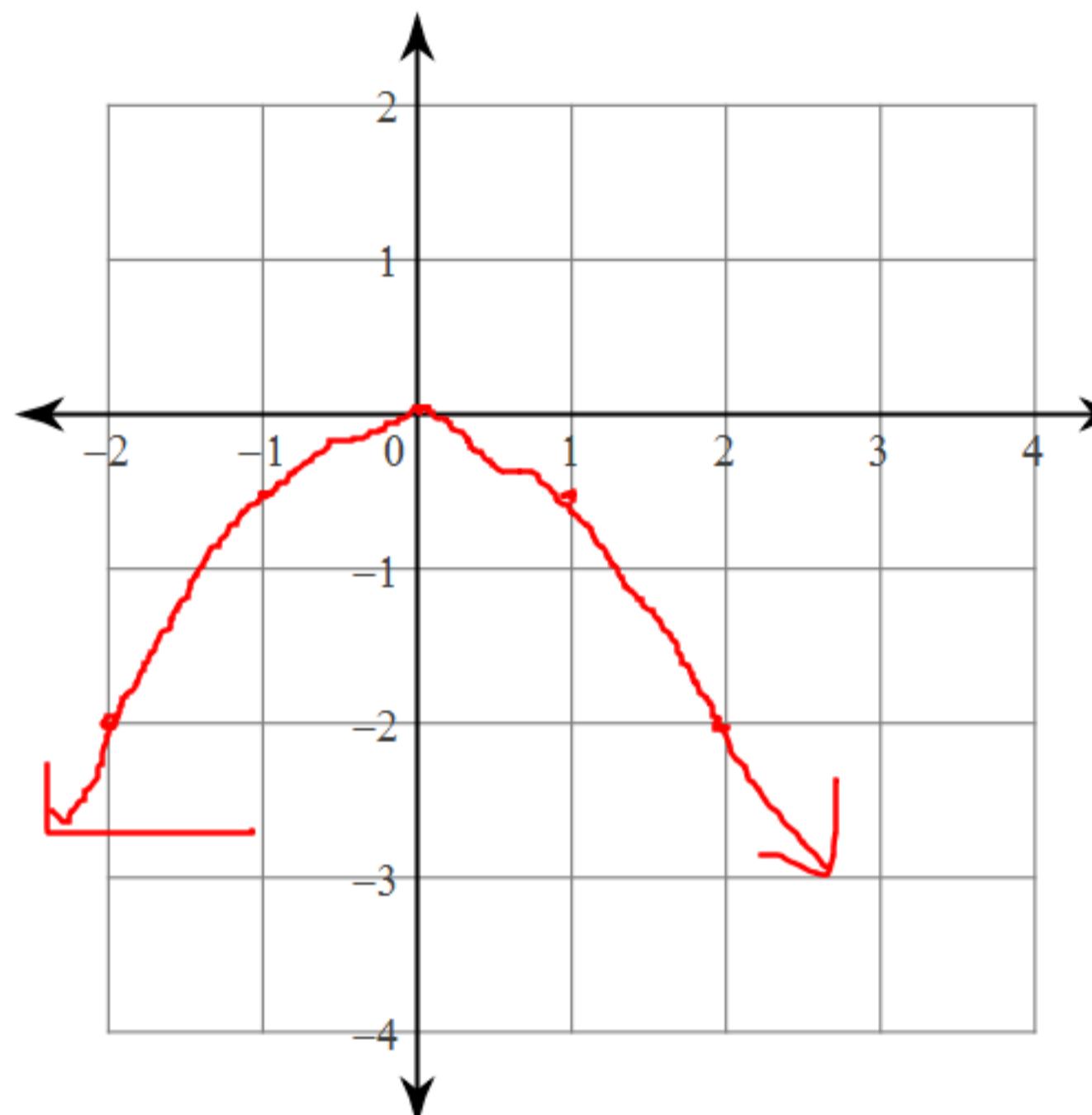


Jump



1-up

8) $y = -\frac{1}{2}x^2$



- Question numbers Show answers
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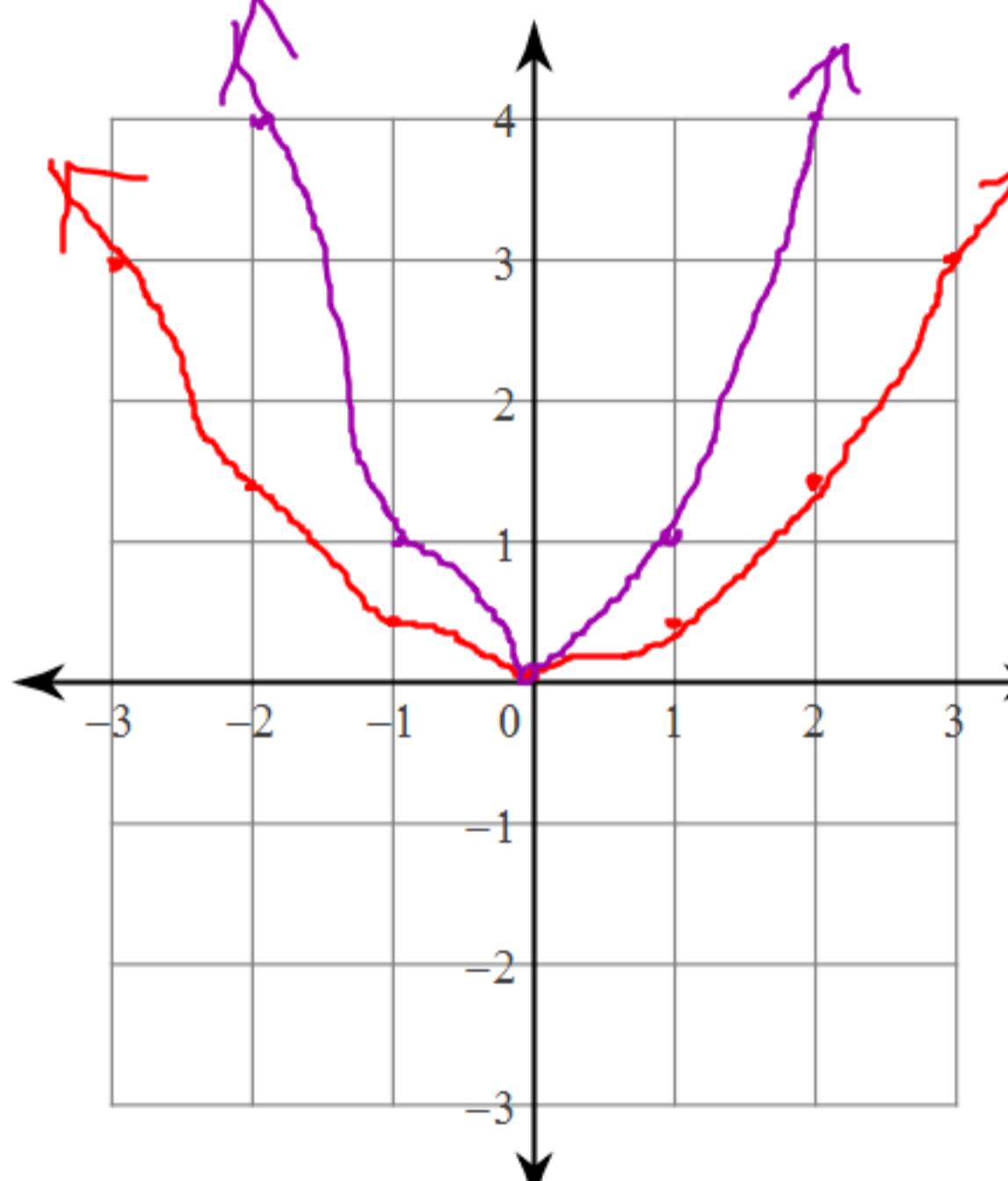


Jump



1-up

9) $y = \frac{1}{3}x^2$



$$y = \frac{1}{3}x^2$$

$$y = x^2$$

$$-1 \quad -2 \quad 4$$
$$-1 \quad -2 \quad 4$$

