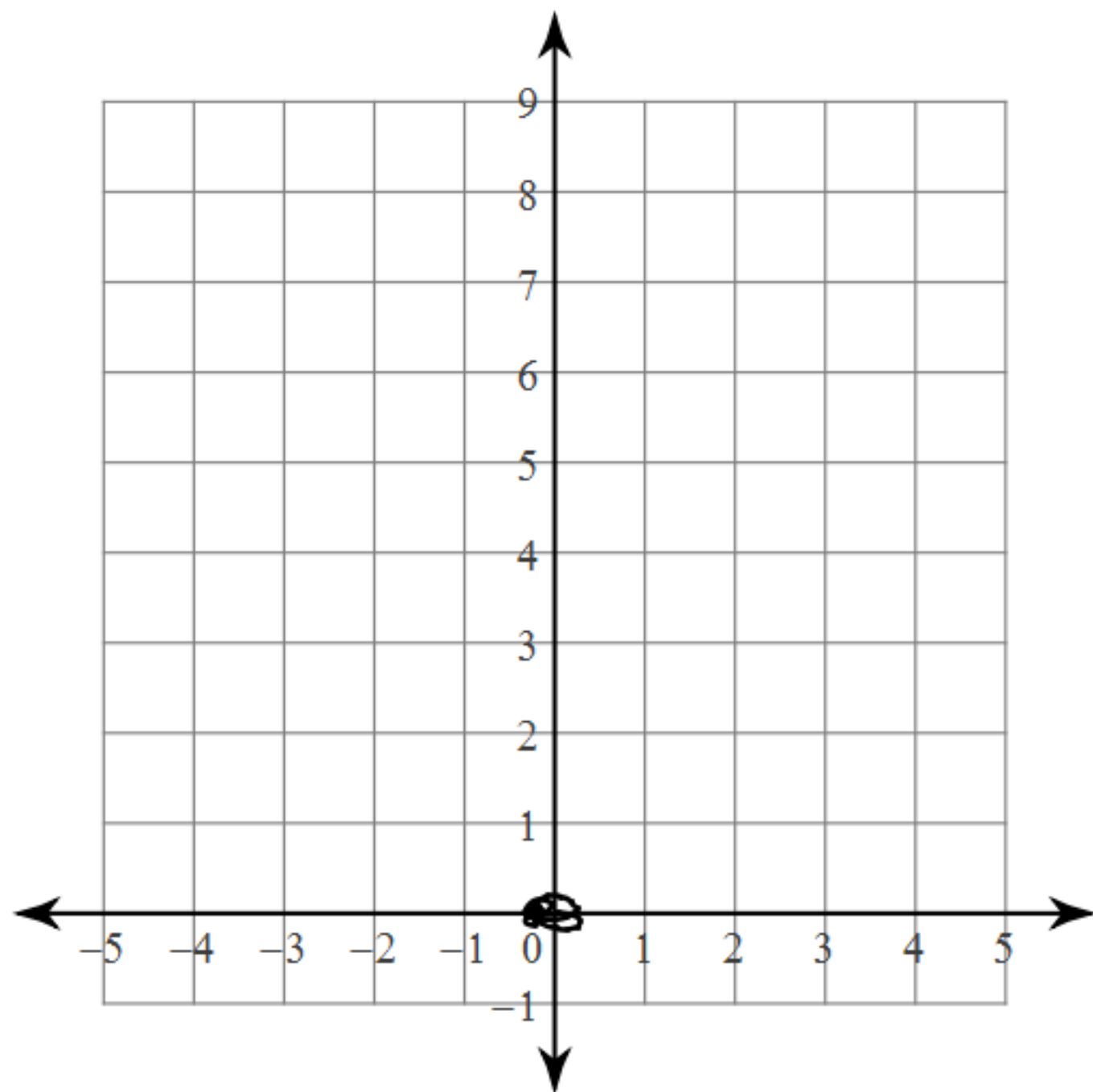


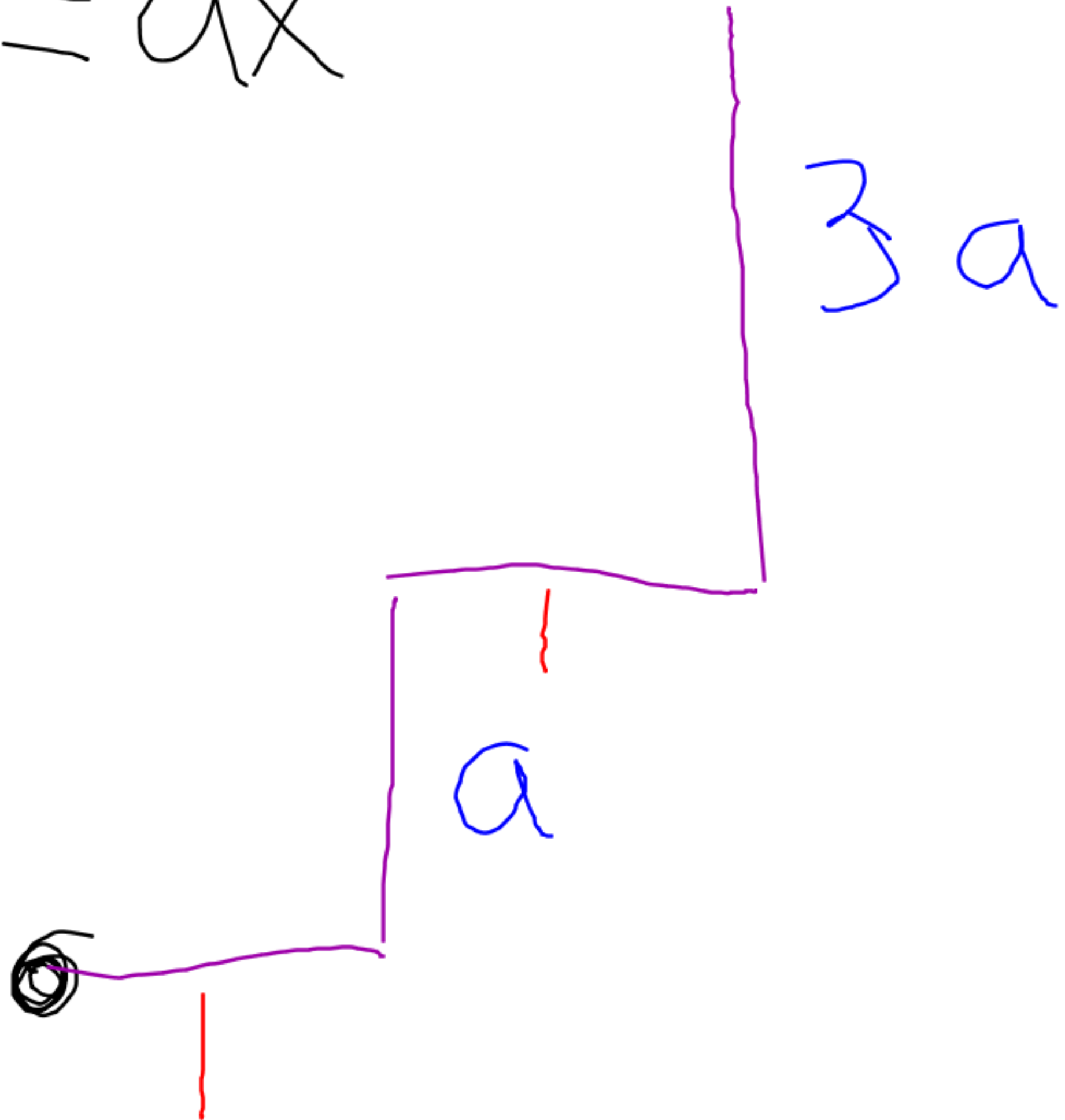
$$y = 2x^2$$

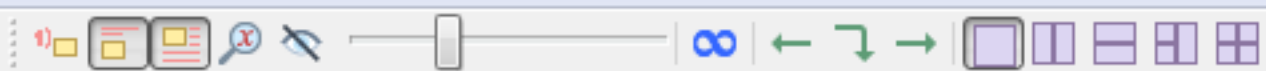


x	$2x^2$	y
<u>-2</u>	$2(-2)^2$	<u>8</u>
-1	$2(-1)^2$	2
0	$2(0)^2$	0
1	$2(1)^2$	2
2	$2(2)^2$	8

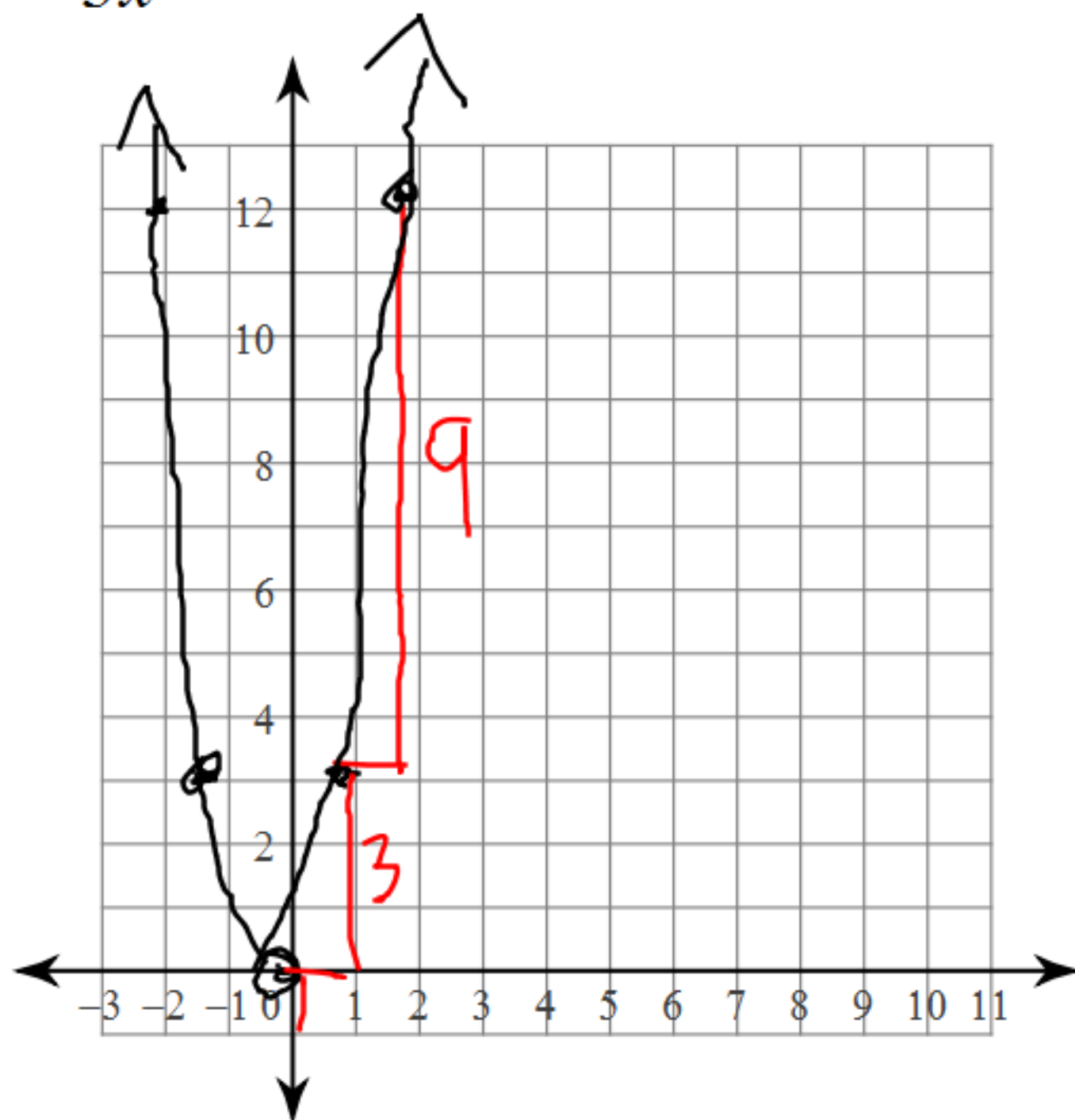
Step Pattern

$$y = ax^2$$



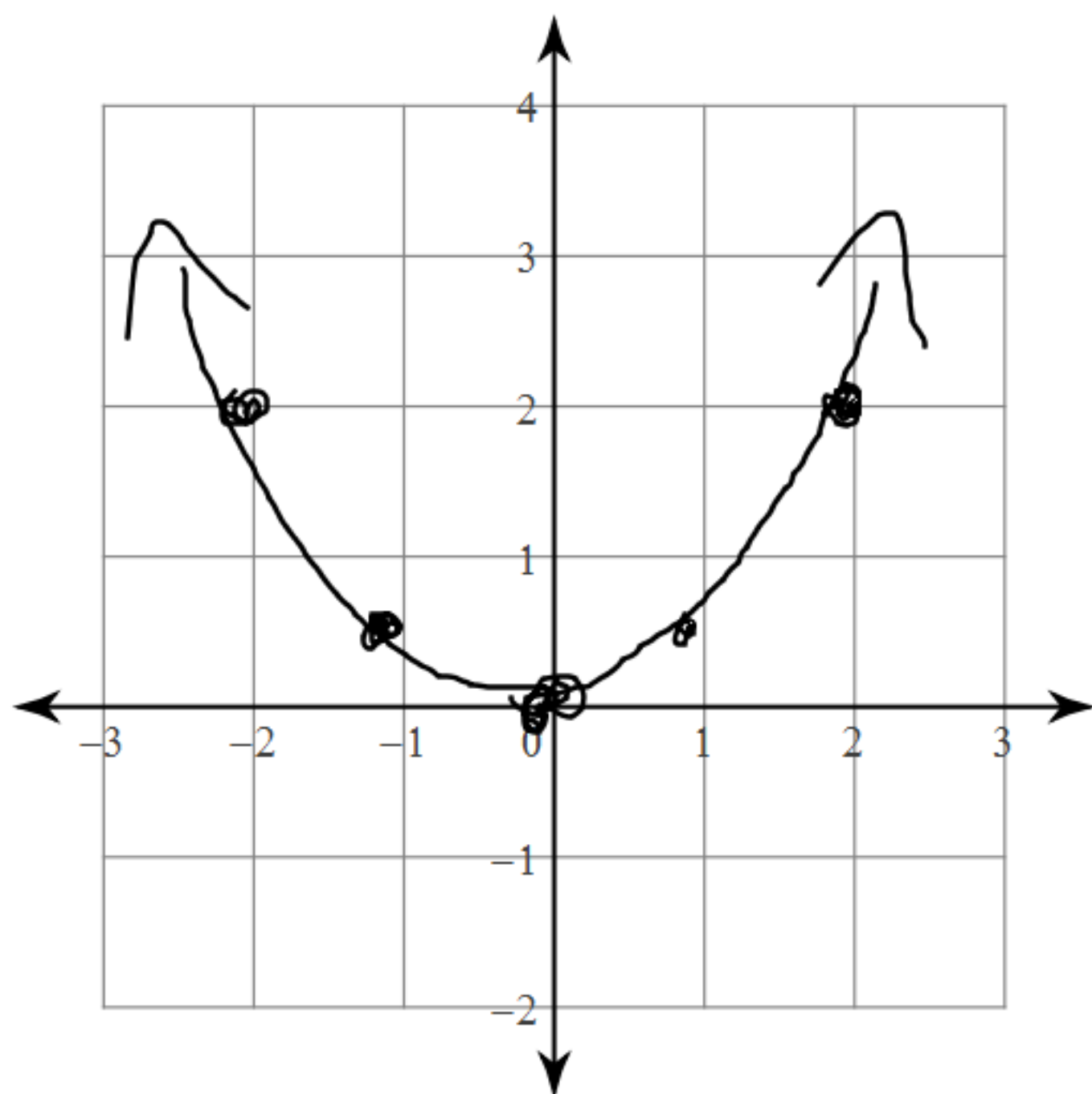


$$y = 3x^2$$



Handwritten diagram illustrating the area of a square with side length 3. The square is divided into a 3x3 grid of smaller squares. The side length 3 is labeled on the left, and the side length 1 is labeled on the top. The area is calculated as $(3)(3) = 9$.

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



$$3(0.5) = 1.5$$

A hand-drawn diagram on lined paper. It shows a large square with a side length of 1, indicated by a vertical line on the left and a horizontal line on the top, both labeled '1'. Inside the bottom-left corner of this large square, a smaller square is drawn with a side length of 0.5, indicated by a horizontal line on the bottom and a vertical line on the right, both labeled '0.5'. The area of this smaller square is shaded gray. A small circle with a dot inside is drawn at the bottom-left corner of the large square, outside the shaded area.