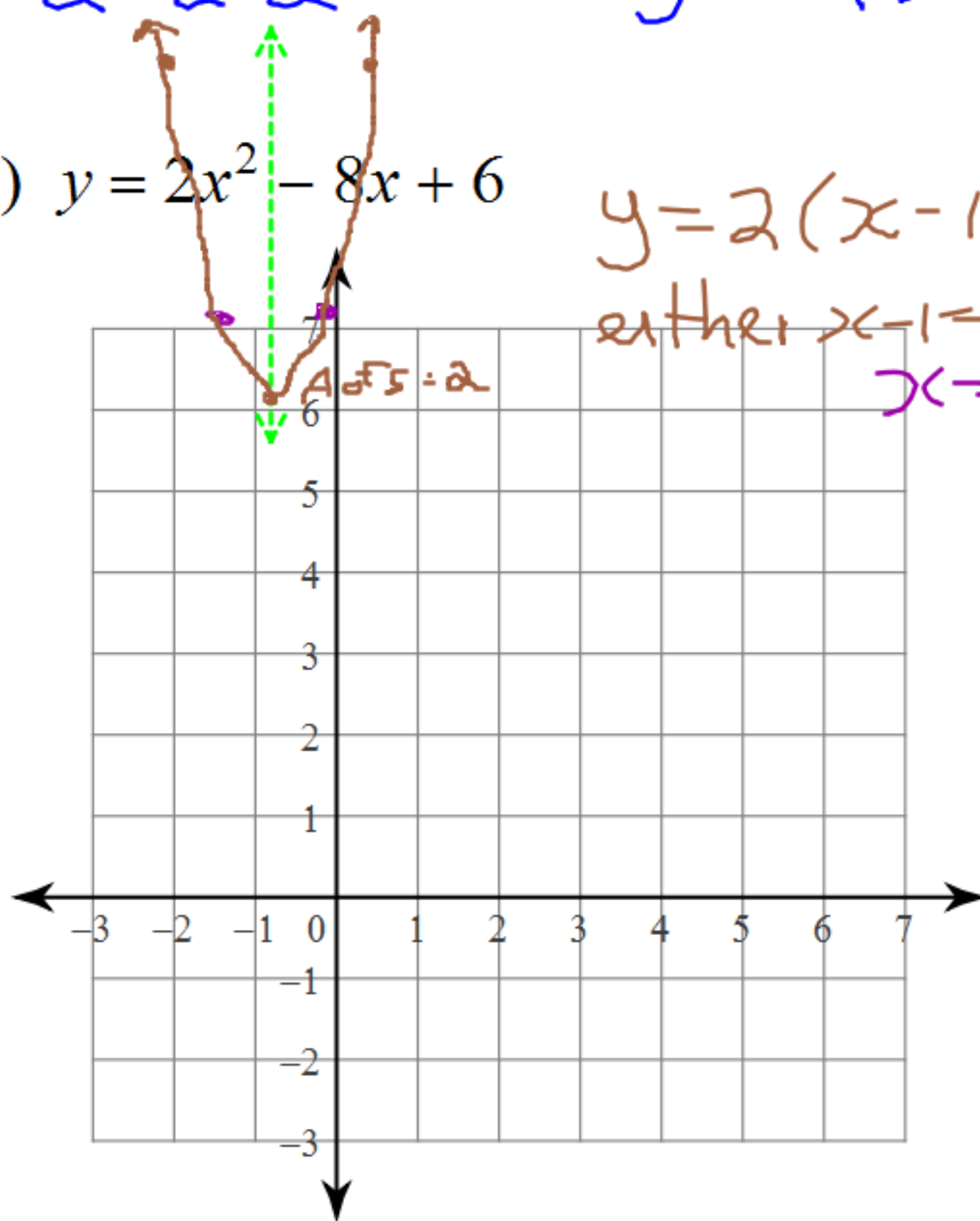


Sketch the graph of each function.

1) $y = 2x^2 - 8x + 6$

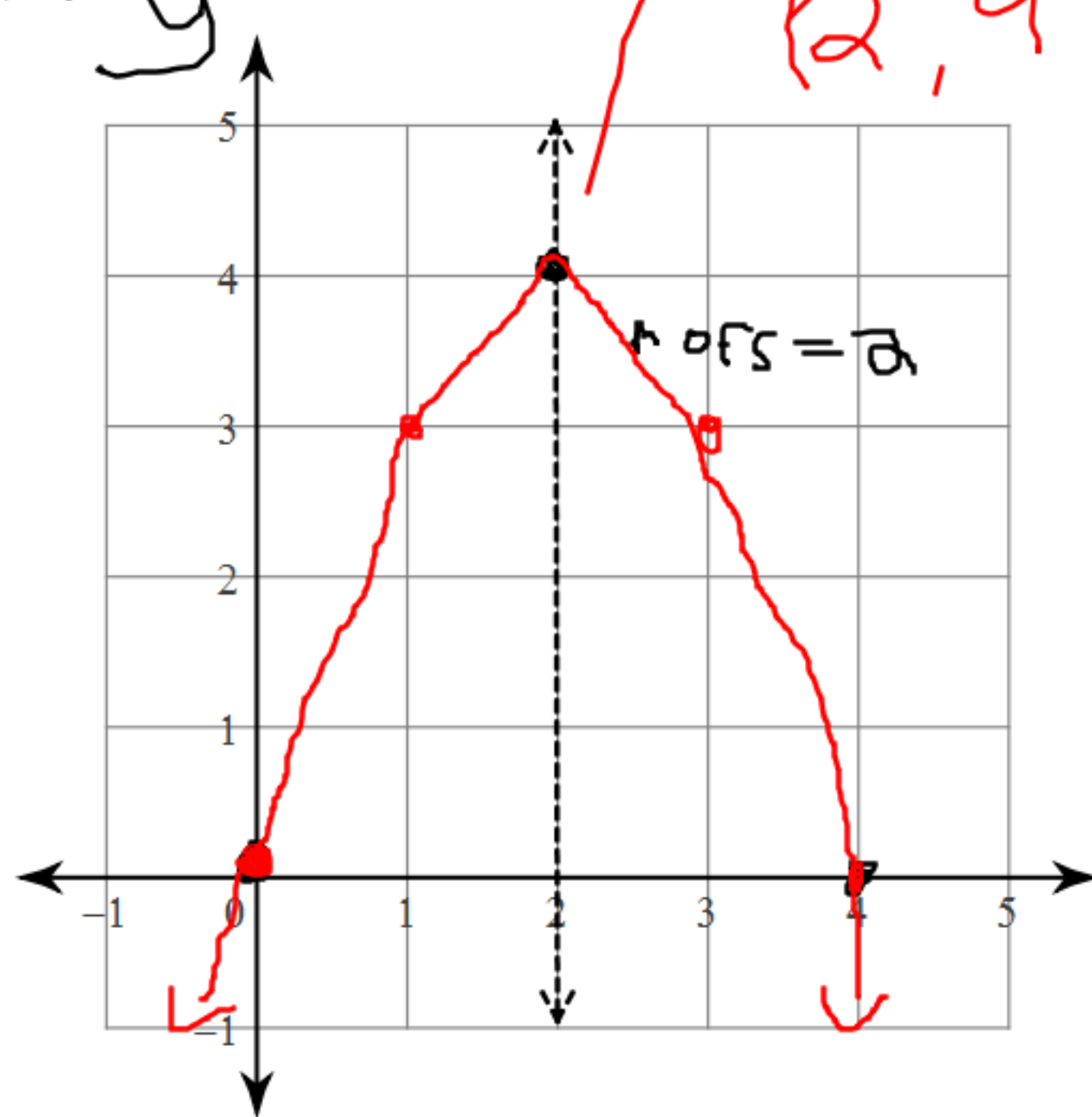


$y = 2(x^2 - 4x + 3)$
 $y = 2(x-1)(x-3)$
 either $x-1=0$ or $x-3=0$
 $x=1$ $x=3$
 $SS \{1, 3\}$

$1 + 3 = 4$
 $-1, -3$

Sketch the graph of each function.

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



vertex $y = -x^2 + 4x$
 $(2, 4)$

$$y = (-x)(x - 4) + 4x$$

either $-x = 0$ or $x - 4 = 0$

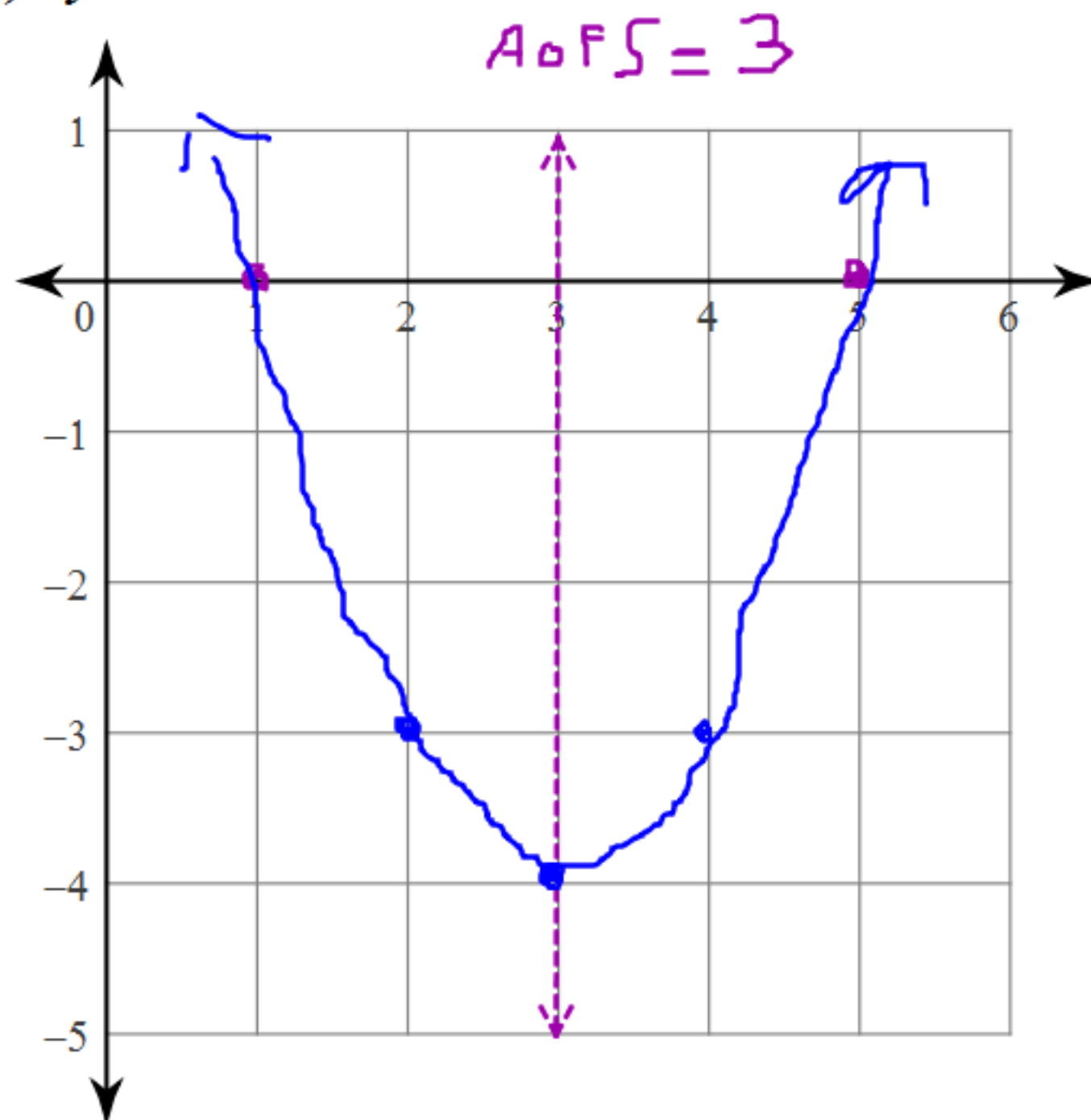
x

$$x = 0 \quad x = 4$$

SS $\{0, 4\}$

Sketch the graph of each function.

3) $y = x^2 - 6x + 5$

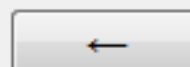


$y = x^2 - 6x + 5$ $\begin{matrix} \text{O.S} & -1, 5 \\ \text{O.S} & -6 \end{matrix}$

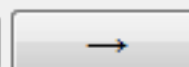
$y = (x - 1)(x - 5)$
 either $x - 1 = 0$ or $x - 5 = 0$
 $x = 1$ $x = 5$
 $\{1, 5\}$

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

More like these



Jump

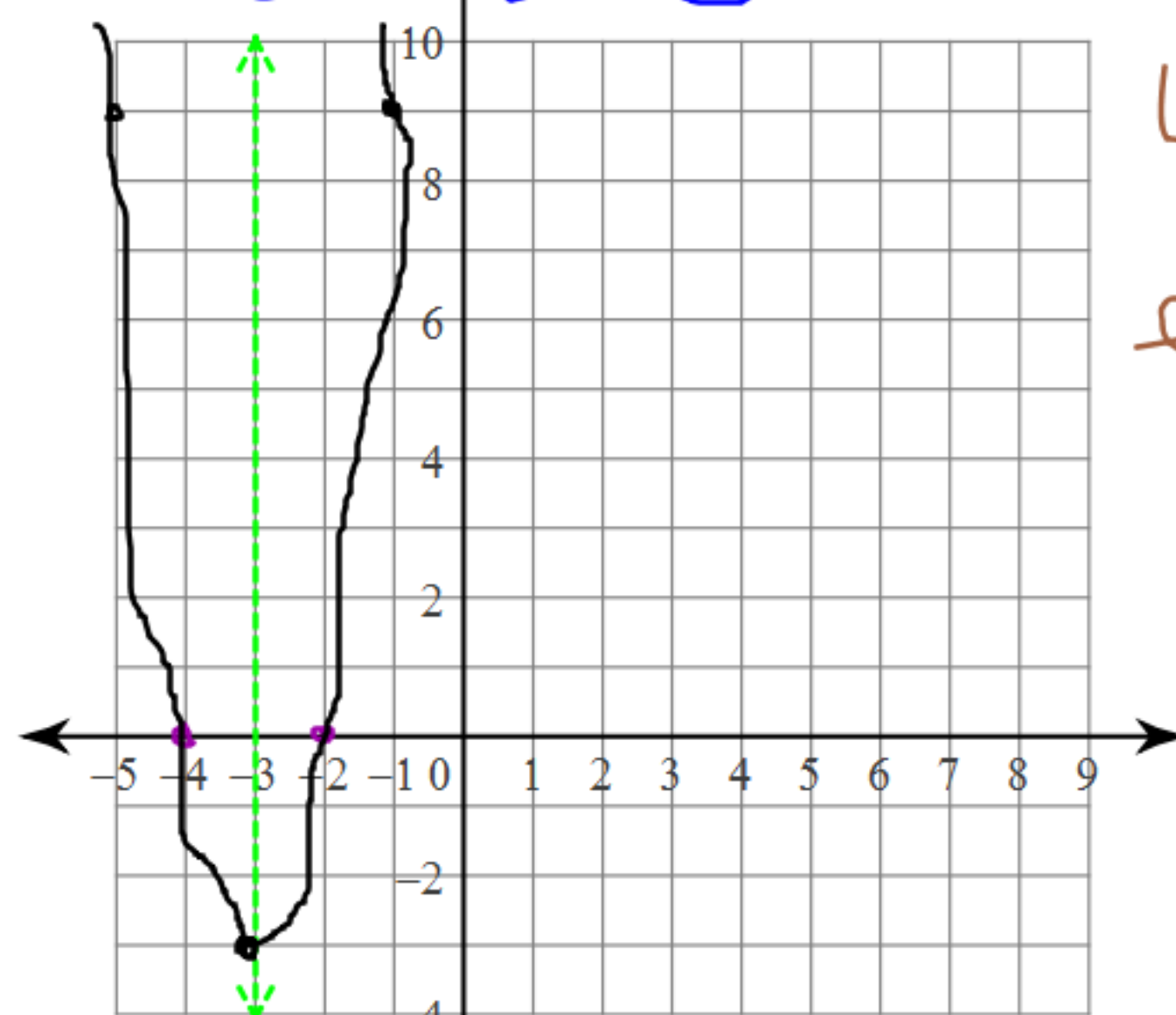


1-up

Sketch the graph of each function.

4) $y = 3x^2 + 18x + 24$

3 3 3



Axis of Symmetry = -3

Vertex $x = -3$
 $y = -9$

$$y = 3(x^2 + 6x + 8)$$

$$y = 3(x+4)(x+2)$$

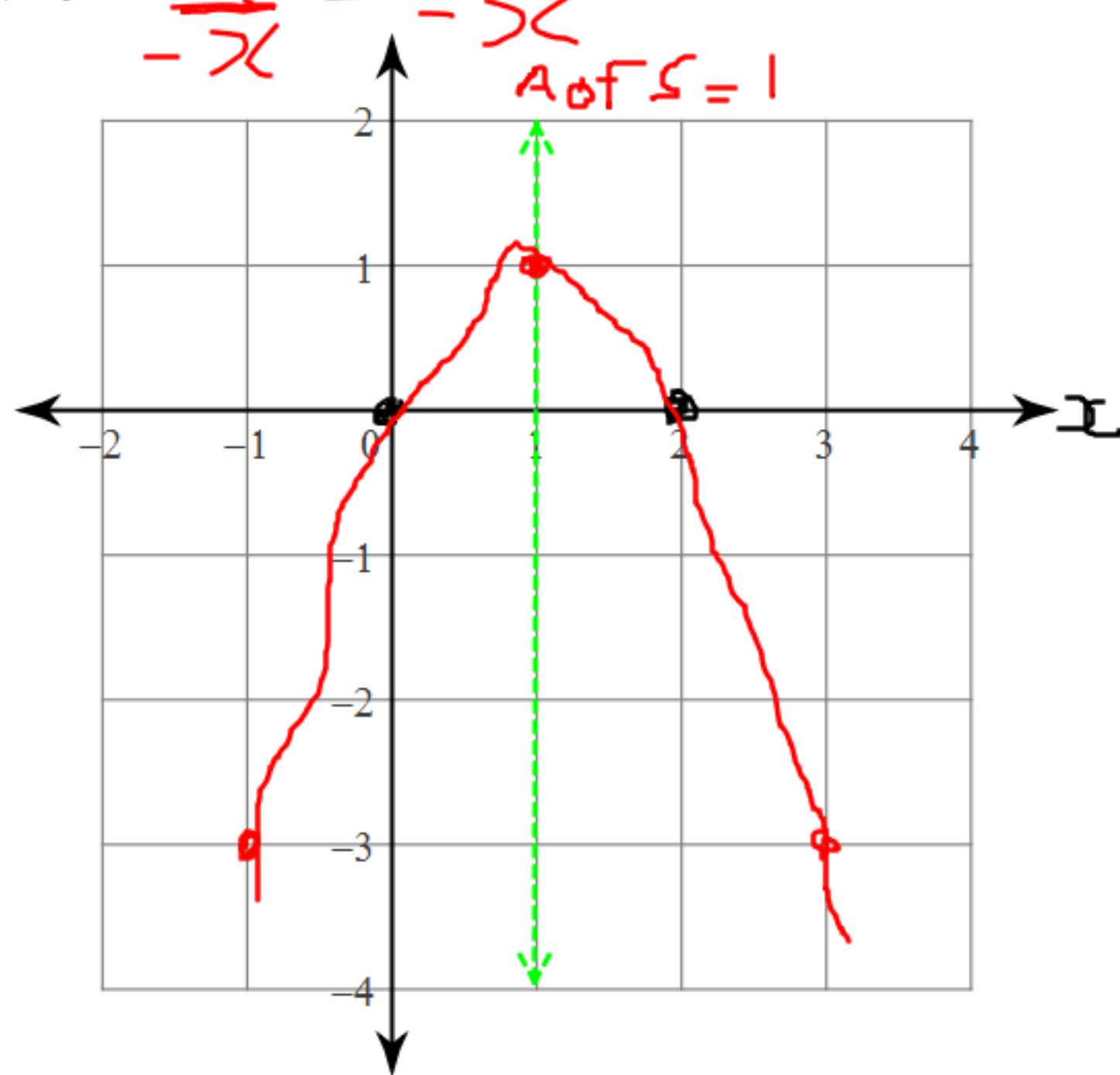
either $x+4=0$ or $x+2=0$
 $x = -4$ or $x = -2$

$$x = -4 \text{ or } x = -2$$

$$\text{SS } \left. \begin{array}{l} -4 \\ -2 \end{array} \right\}$$

Sketch the graph of each function.

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



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

either $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ or $x-2=0$
 $\frac{-1 \pm \sqrt{1 - 4(-1)(0)}}{2(-1)}$

$$x = 0 \quad x = 2$$

$$S = \{0, 2\}$$