

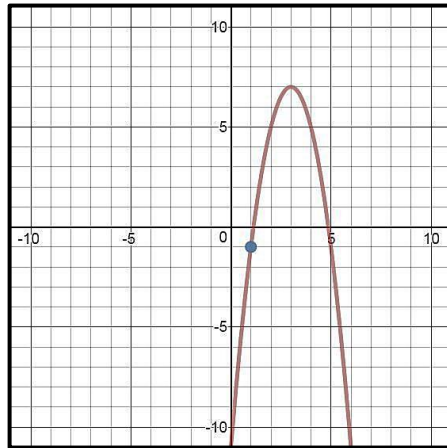
Day 07 Investigation: What's my function?

Who am I?... Consider all the clues! ☺

AFTER: Graphing Quadratics in 3 forms

1. I have a maximum of $(-1, 4)$, and a vertical stretch of 2. What's my function?

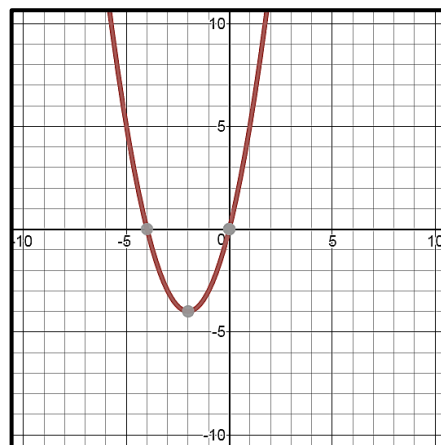
2. My graph is below. What's my function?



3. One of my zeros is 3, I have a line of symmetry at $x = 1$, and my range is $(-\infty, 8]$. What's my function?

4. I have only one zero at 2, and a y -intercept at $(0, 8)$. What's my function?

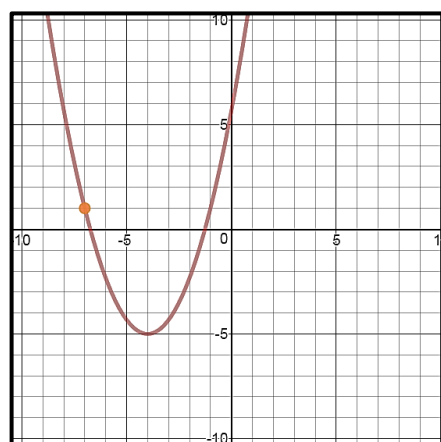
5. My graph is below. What's my function?



6. I have a minimum of $(-1, 5)$ and a vertical compression of $\frac{1}{3}$. What's my function?

7. One of my zeros is at 1, I have a maximum output value of 4, and my line of symmetry is $x = 3$. What's my function?

8. My graph is below. What's my function?



9. I have a vertical stretch of 3, and zeros at $-\frac{2}{3}$ and 6. What's my function?

