

1.

## Solution

Since the line of symmetry will always be a vertical line in all of our parabolas, the general formula for the line will be  $v = r$

where  $r$  is the first coordinate of the vertex, and it is equal:  $-\frac{2}{2(3)} = -\frac{1}{3}$

So, the axis of symmetry is:  $v = -\frac{1}{3}$