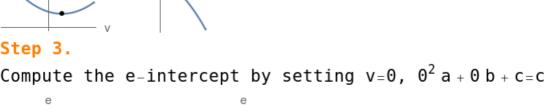
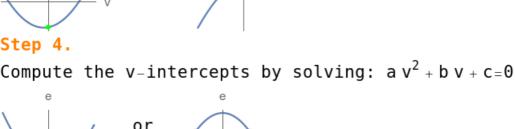
## Plotting the Parabola How to plot : $e(v) = a v^2 + b v + c$

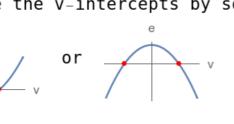
Step 1.

If a < 0 then the hill shape:

Step 2. Compute the vertex: 
$$(-\frac{b}{2a}, e(-\frac{b}{2a}))$$







Sketch a rough plot, try to connect vertex to intercepts:

