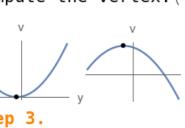
Plotting the Parabola **How to plot** : $v(y) = a y^2 + b y + c$

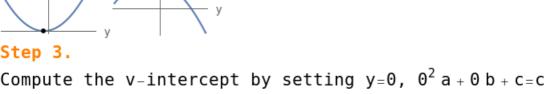
Step 1.

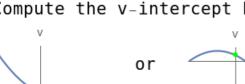
Examine the sign for the leading coefficent

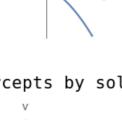
If a
$$<$$
 0 then the hill shape: \bigvee_{y}^{y}

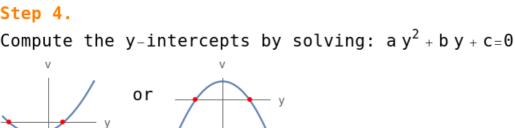
Step 2. Compute the vertex:
$$(-\frac{b}{2a}, V(-\frac{b}{2a}))$$

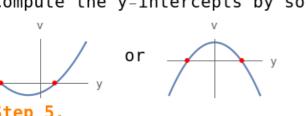












Step 5.

