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

Step 1.

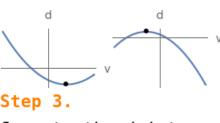
Examine the sign for the leading coefficent

If a > 0 then the valley shape:



If a < 0 then the hill shape:

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



Step 4.

