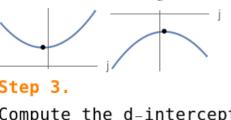
Plotting the Parabola How to plot : $d(j) = a j^2 + b j + c$ Step 1.

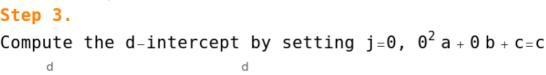
Examine the sign for the leading coefficent

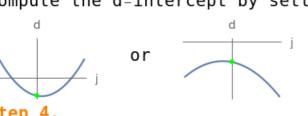
If a > 0 then the valley shape:

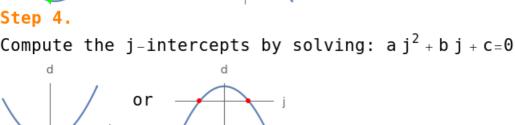
If a < 0 then the hill shape:

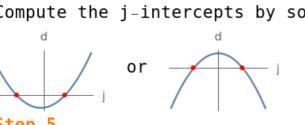
Step 2. Compute the vertex:
$$(-\frac{b}{2a}, d(-\frac{b}{2a}))$$











Step 5.

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

