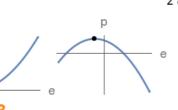
Plotting the Parabola **How to plot** : $p(e) = a e^2 + b e + c$

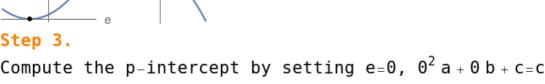
Examine the sign for the leading coefficent

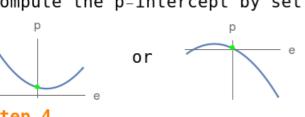
If a > 0 then the valley shape:

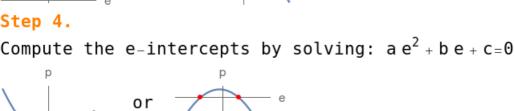
Compute the vertex:
$$(-\frac{b}{2a}, p(-\frac{b}{2a}))$$

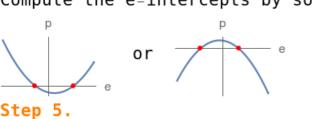
Step 2.











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

