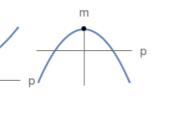
Plotting the Parabola How to plot: $m(p) = a p^2 + b p + c$

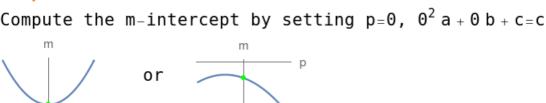
Step 1.

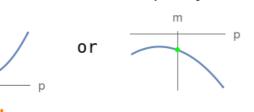
If a > 0 then the valley shape:

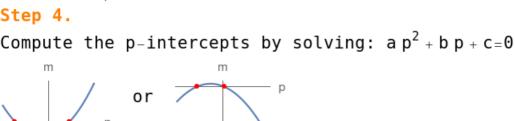
Compute the vertex:
$$(-\frac{b}{2a}, m(-\frac{b}{2a}))$$

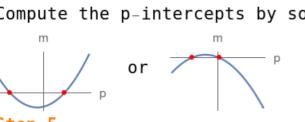
Step 3.











Step 5. Sketch a rough plot, try to connect vertex to intercepts: