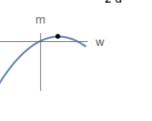
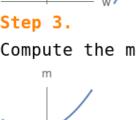
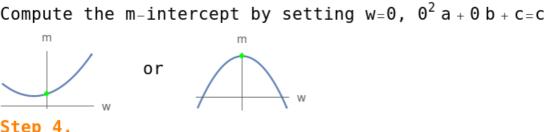
## Plotting the Parabola How to plot: $m(w) = a w^2 + b w + c$

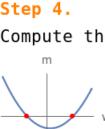
Examine the sign for the leading coefficent

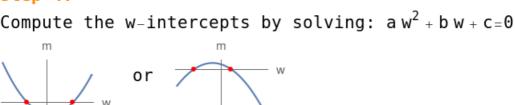
Compute the vertex: 
$$(-\frac{b}{2a}, m(-\frac{b}{2a}))$$



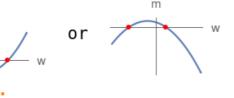












Step 5. Sketch a rough plot, try to connect vertex to intercepts:

