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

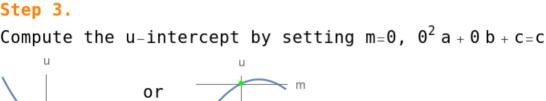
Examine the sign for the leading coefficent

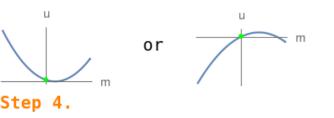
If a < 0 then the hill shape:

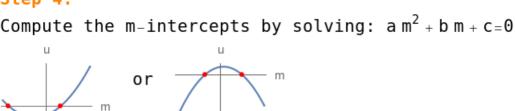


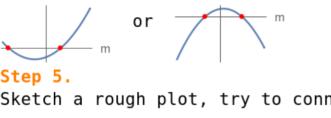
Step 2. Compute the vertex:
$$(-\frac{b}{2a}, u(-\frac{b}{2a}))$$











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

