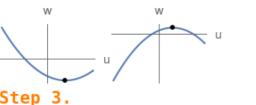
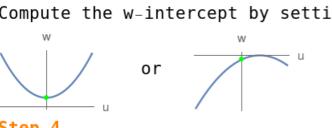
Plotting the Parabola How to plot: $w(u) = a u^2 + b u + c$

Examine the sign for the leading coefficent

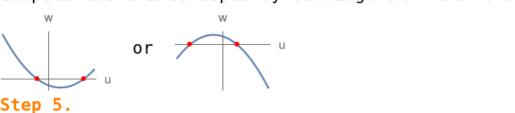
Compute the vertex: $(-\frac{b}{2a}, W(-\frac{b}{2a}))$



Step 3. Compute the w-intercept by setting u=0, $\theta^2 a + \theta b + c = c$



Step 4. Compute the u-intercepts by solving: $au^2 + bu + c=0$



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

