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

Examine the sign for the leading coefficent

If a > 0 then the valley shape:

If a < 0 then the hill shape:

Step 2.

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

















