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

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:
$$(-\frac{b}{2a}, r(-\frac{b}{2a}))$$













