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

Step 1.

Examine the sign for the leading coefficent

If a > 0 then the valley shape:

If a 
$$<$$
 0 then the hill shape:  $\overline{\ /}$ 

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













