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

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









