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

Step 1.

If a > 0 then the valley shape:

If a < 0 then the hill shape:

Step 2.

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

Step 3. Compute the p-intercept by setting 
$$f=0$$
,  $0^2 a + 0 b + c = c$ 









