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

Examine the sign for the leading coefficent

Examine the sign for the leadin If a 
$$>$$
 0 then the valley shape:

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















