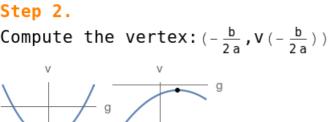
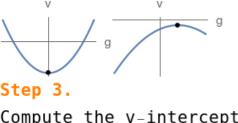
## **Plotting the Parabola** How to plot : $V(g) = a g^2 + b g + c$

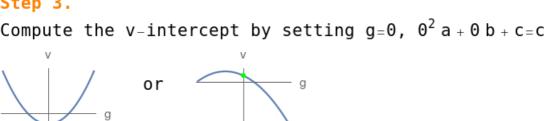
Examine the sign for the leading coefficent

If a > 0 then the valley shape:

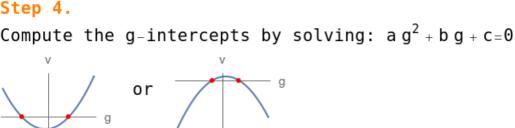
If a 
$$<$$
 0 then the hill shape:

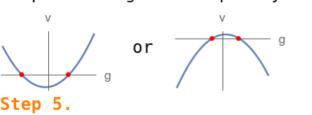












Sketch a rough plot, try to connect vertex to intercepts:

