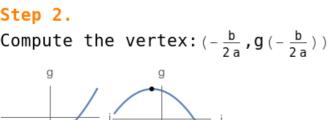
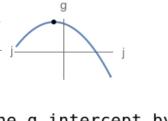
Plotting the Parabola How to plot : $g(j) = a j^2 + b j + c$

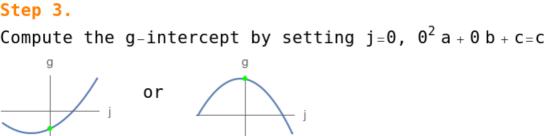
Step 1.

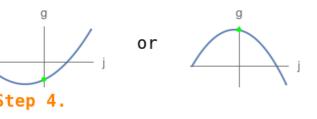
Examine the sign for the leading coefficent

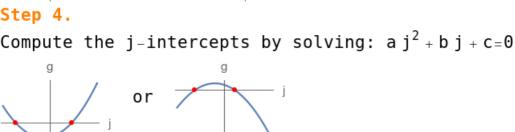
If a > 0 then the valley shape:

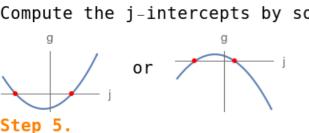


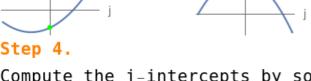












Sketch a rough plot, try to connect vertex to intercepts: