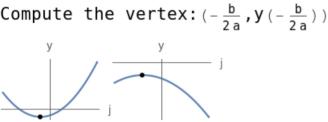
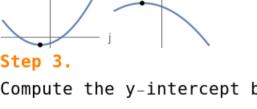
Plotting the Parabola How to plot: $y(j) = a j^2 + b j + c$

Step 1.

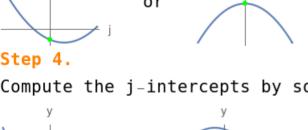
Examine the sign for the leading coefficent

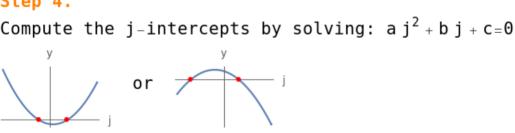
If a < 0 then the hill shape: Step 2.

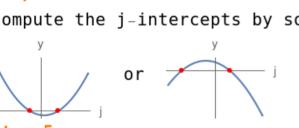




Compute the y-intercept by setting j=0, 0^2 a + 0 b + c=c or







Step 5. Sketch a rough plot, try to connect vertex to intercepts: