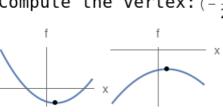
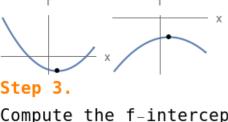
Plotting the Parabola How to plot : $f(x) = ax^2 + bx + c$

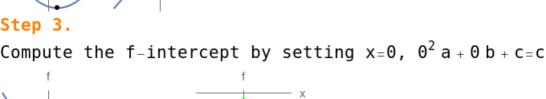
Examine the sign for the leading coefficent

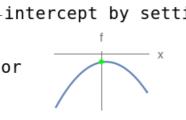
If a > 0 then the valley shape: If a < 0 then the hill shape:

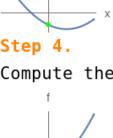
Step 2. Compute the vertex: $(-\frac{b}{2a}, f(-\frac{b}{2a}))$

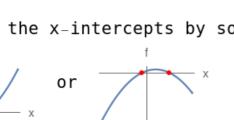


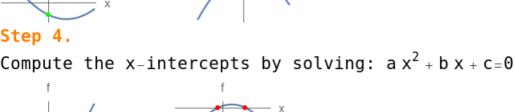












Step 5. Sketch a rough plot, try to connect vertex to intercepts: