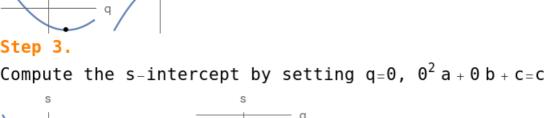
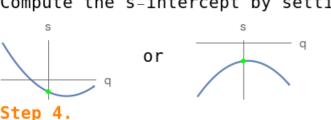
## **Plotting the Parabola** How to plot : $s(q) = a q^2 + b q + c$

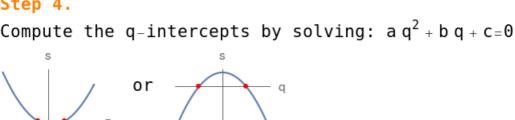
Step 1.

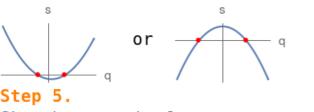
Examine the sign for the leading coefficent

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









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

