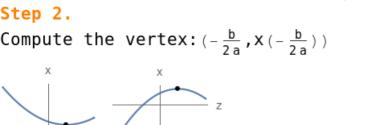
Plotting the Parabola How to plot: $X(z) = az^2 + bz + c$

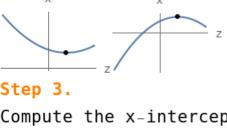
Examine the sign for the leading coefficent

If a > 0 then the valley shape:

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

Step 2. Compute the vertex:
$$(-\frac{t}{2})$$





Compute the x-intercept by setting z=0, $\theta^2 a + \theta b + c = c$

