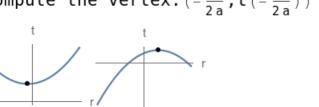
## Plotting the Parabola How to plot : $t(r) = a r^2 + b r + c$

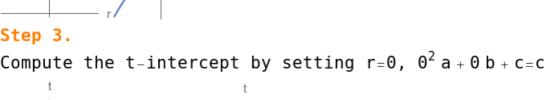


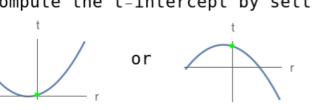
If a > 0 then the valley shape:

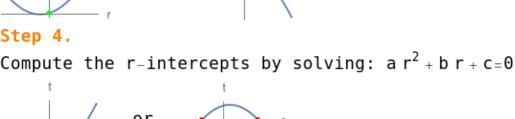
If a 
$$<$$
 0 then the hill shape:  $\stackrel{t}{\longrightarrow}$ 

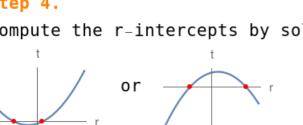
Step 2. Compute the vertex: 
$$(-\frac{b}{2a}, t(-\frac{b}{2a}))$$

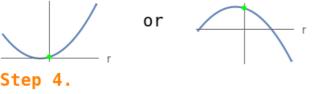












Step 5.