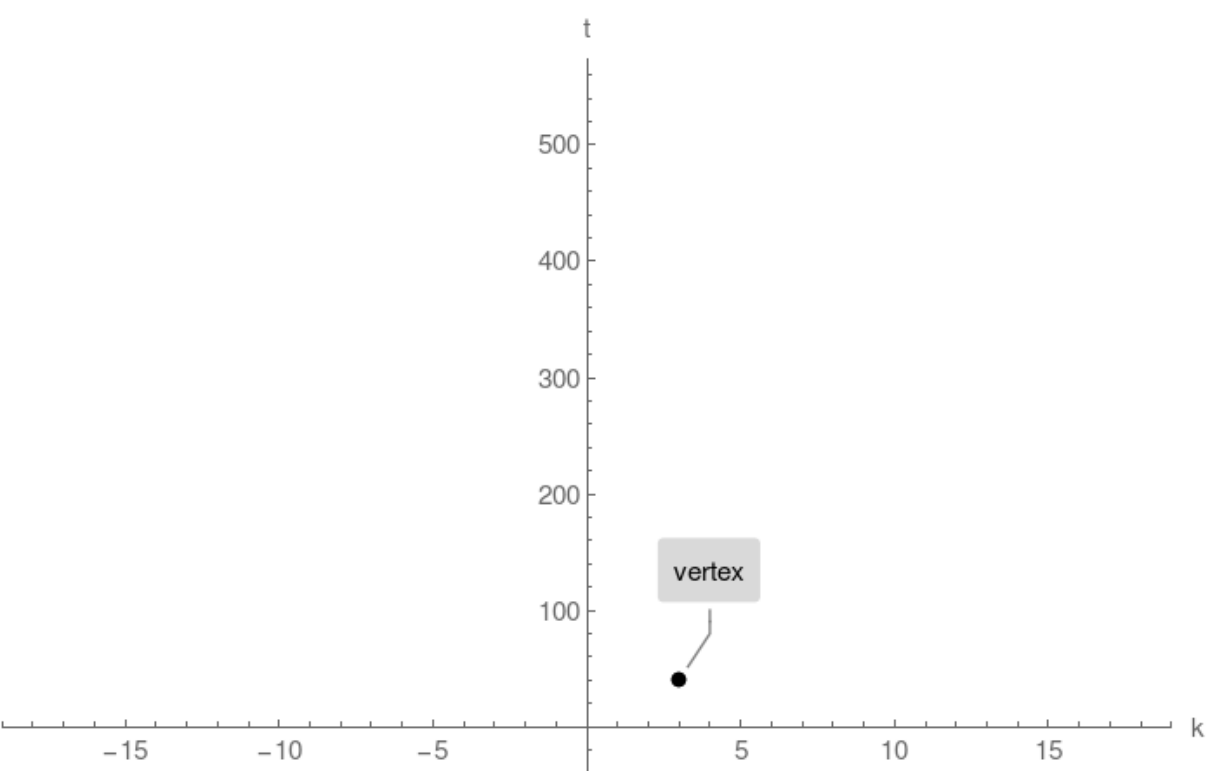# Example 2. No horizontal intercepts found

Plot $t(k) = k^2 - 6k + 49$

**Step 1.**
Compute vertex and plot single point:
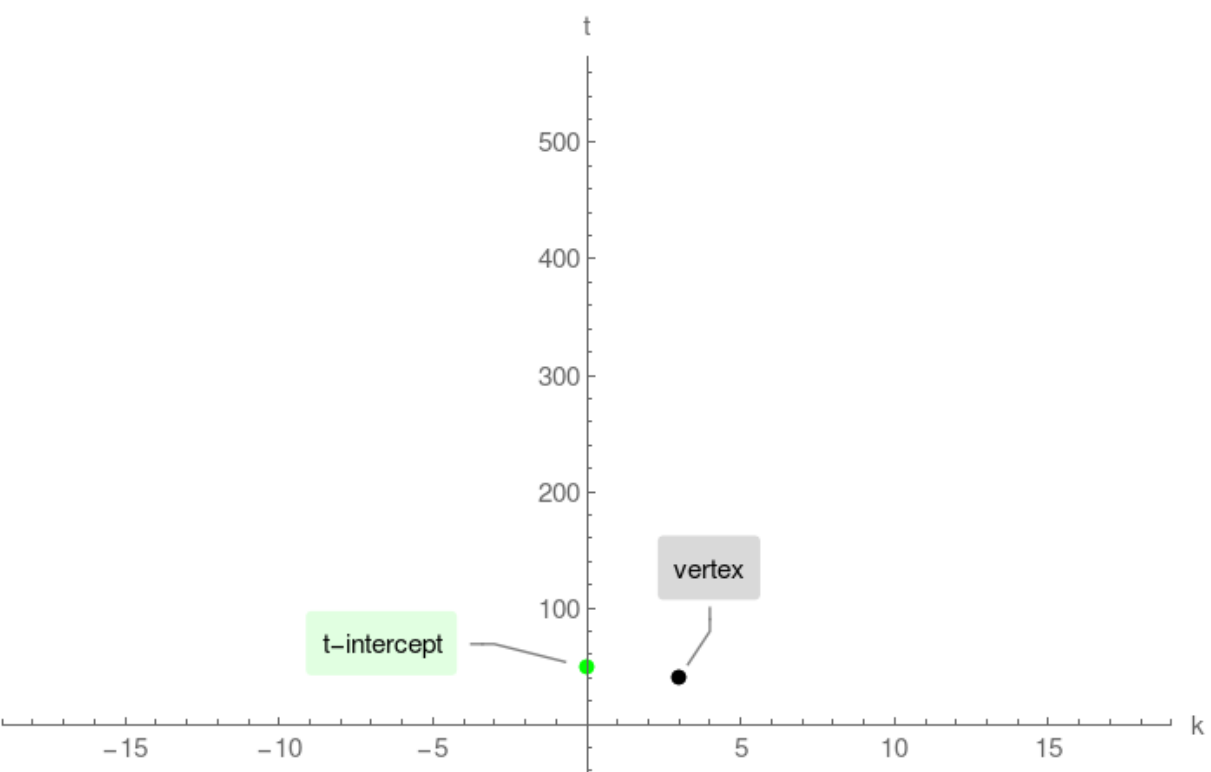vertex = (3,40)



**Step 2.**
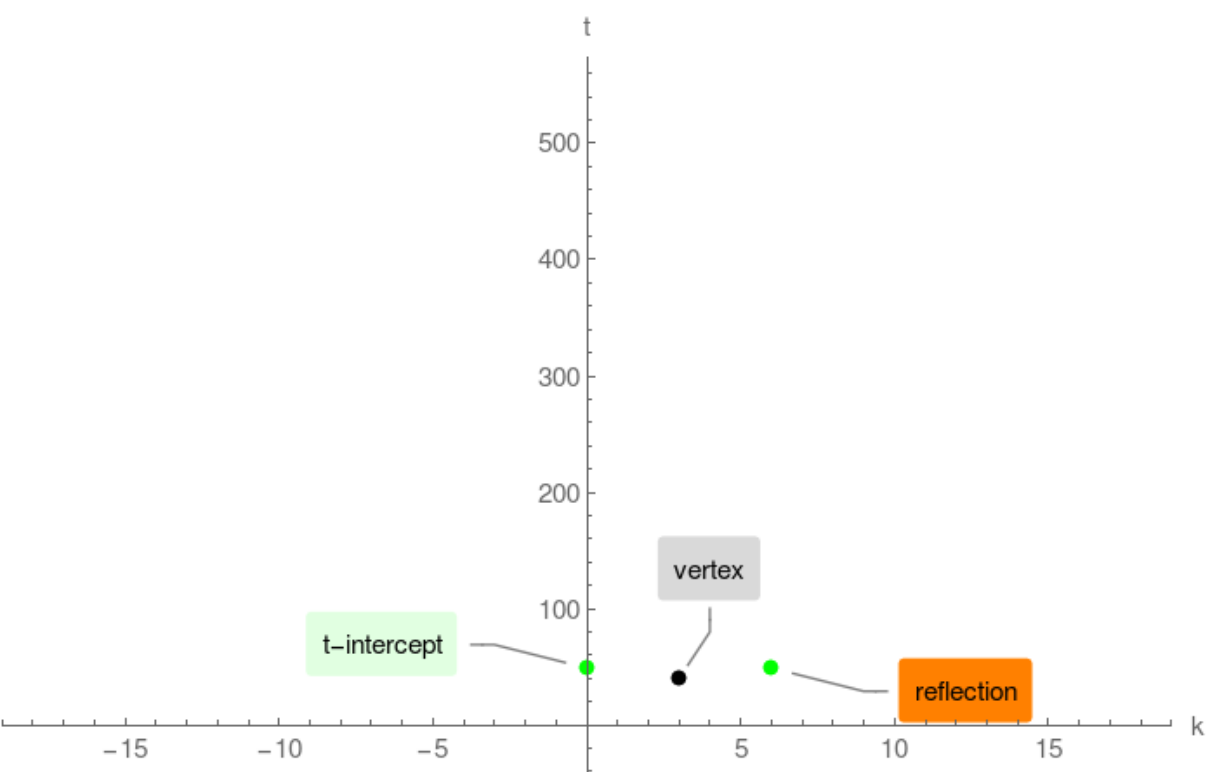Compute t-intercept and plot single point:
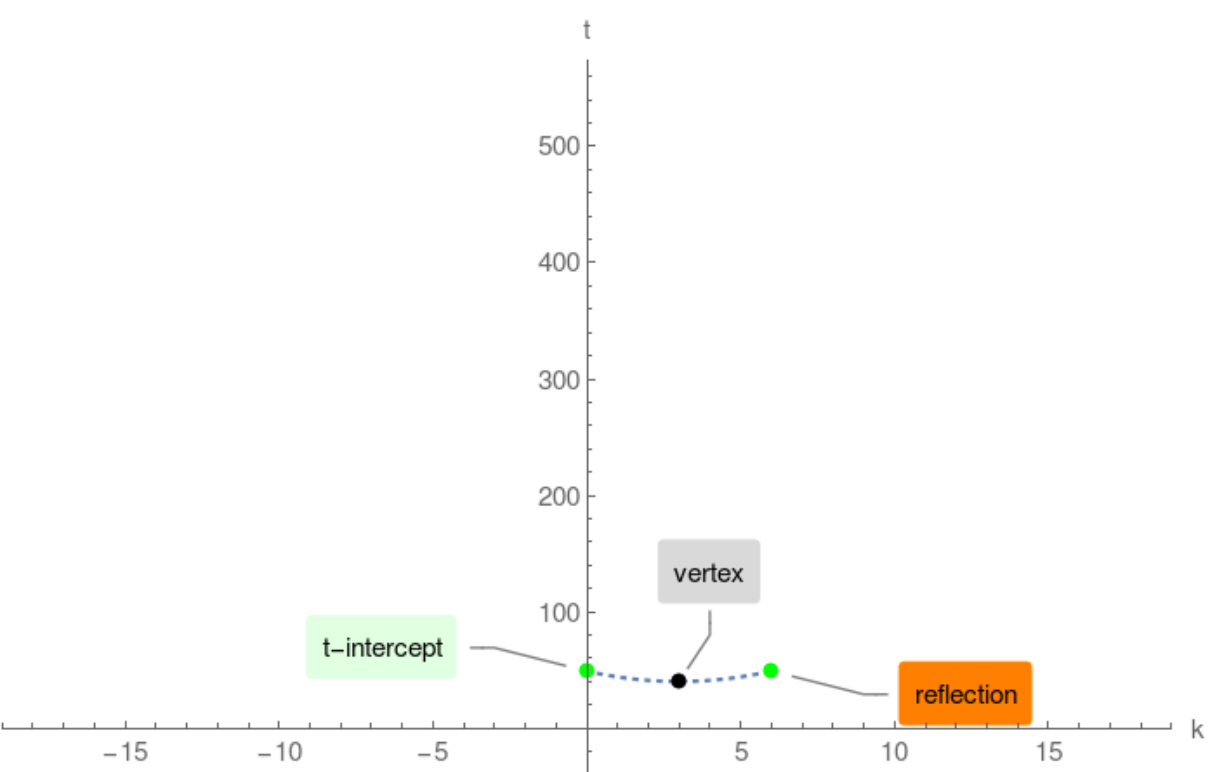t-intercept = (0,49)



**Step 3.**
Compute t-intercept reflected against vertex,
reflection = (6,49)



**Step 4.**
connect the above computed points:



**Step 5.**
Extend the parabola beyond the range of intercepts