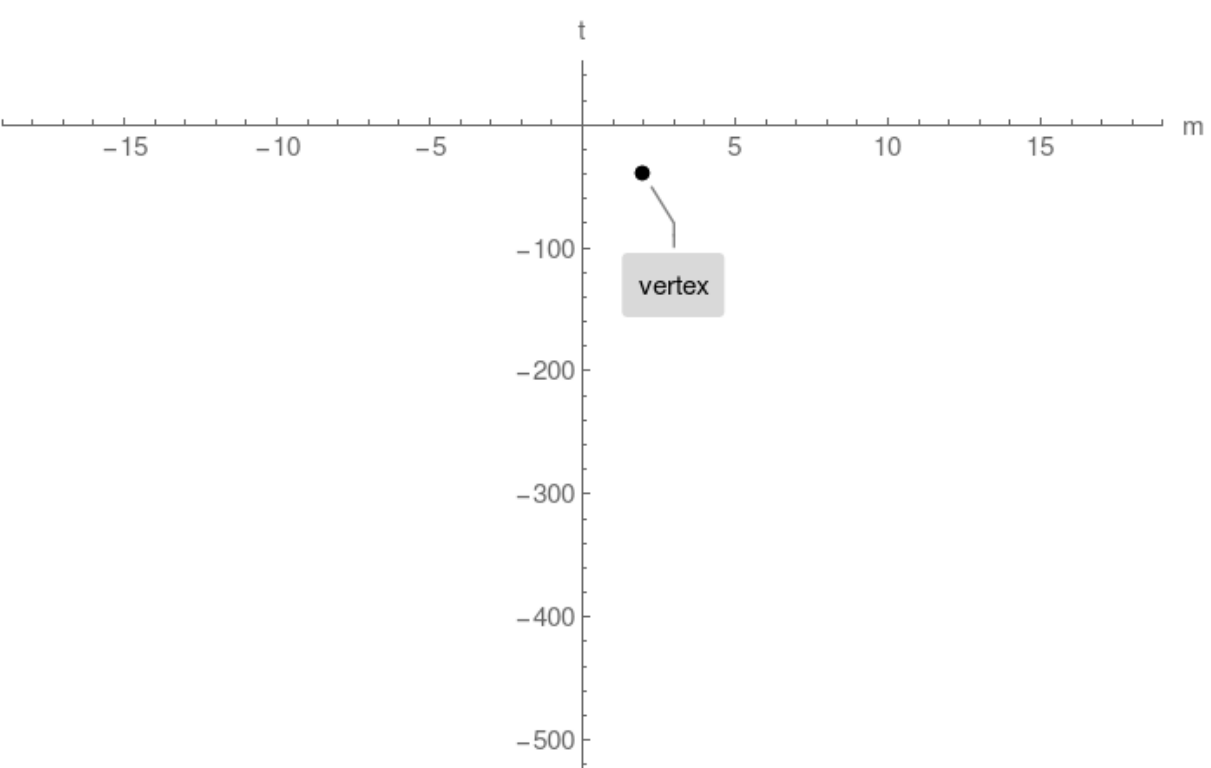# Example 2. No horizontal intercepts found

Plot $t(m) = -m^2 + 4m - 44$

Step 1.
Compute vertex and plot single point:
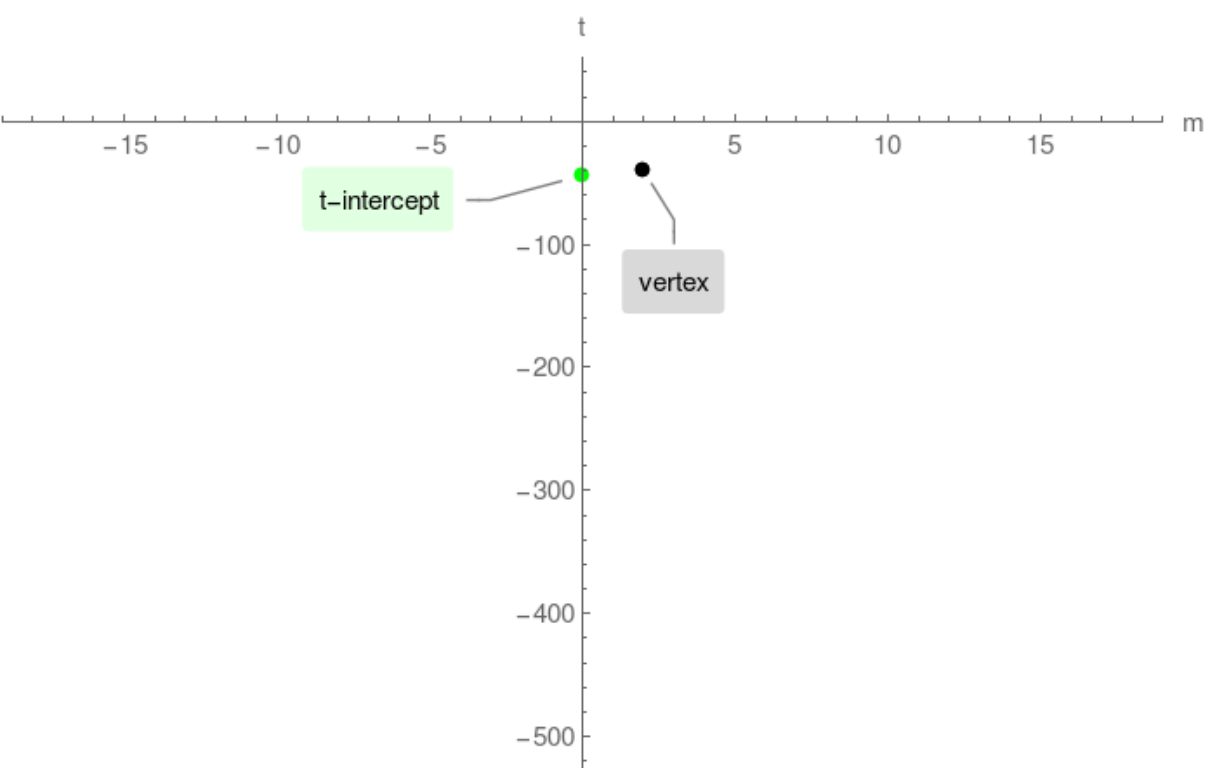vertex = $(2, -40)$

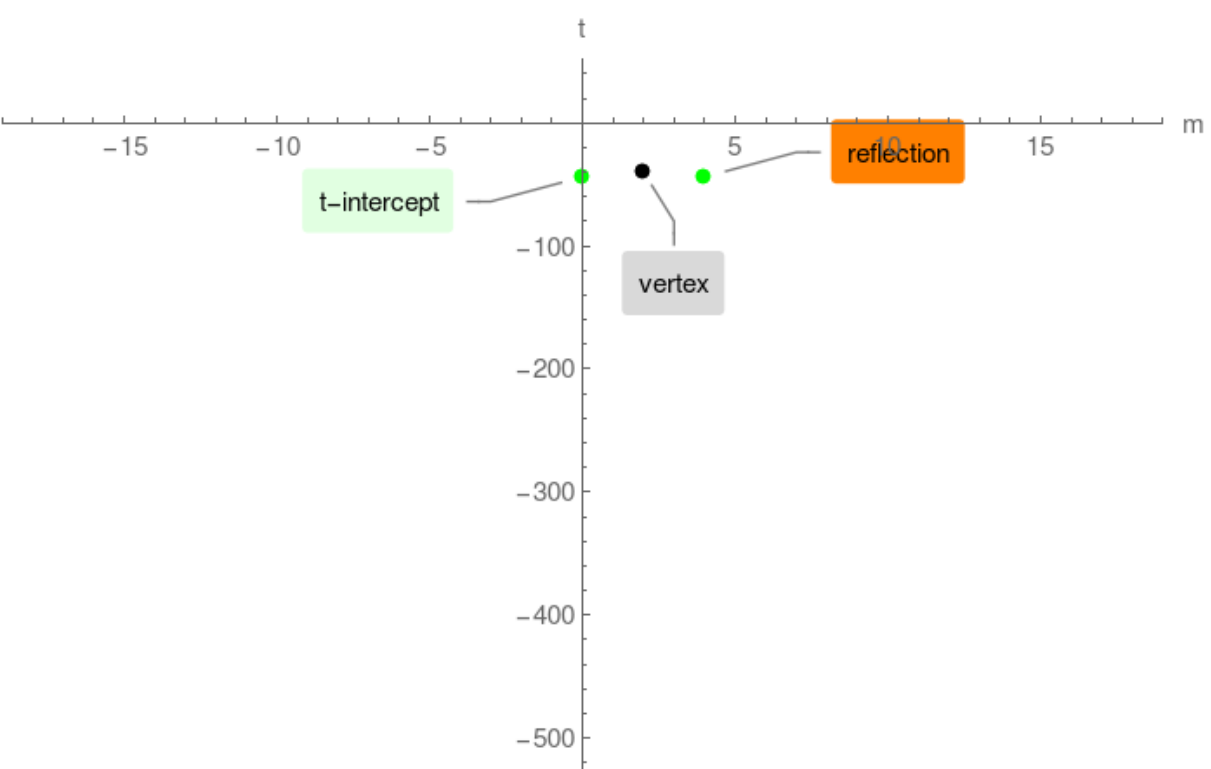## Step 2.
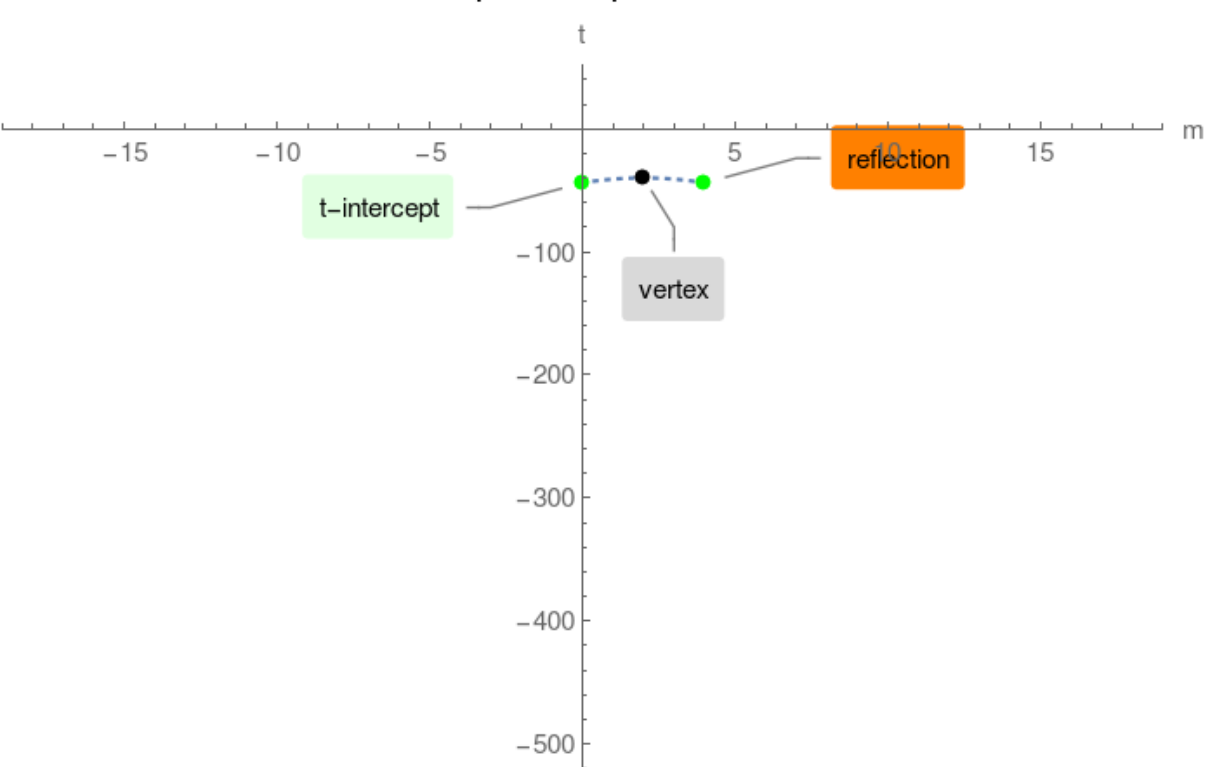Compute t-intercept and plot single point:
t-intercept = $(0, -44)$

Step 3.
Compute t-intercept reflected against vertex,
reflection = $(4, -44)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts