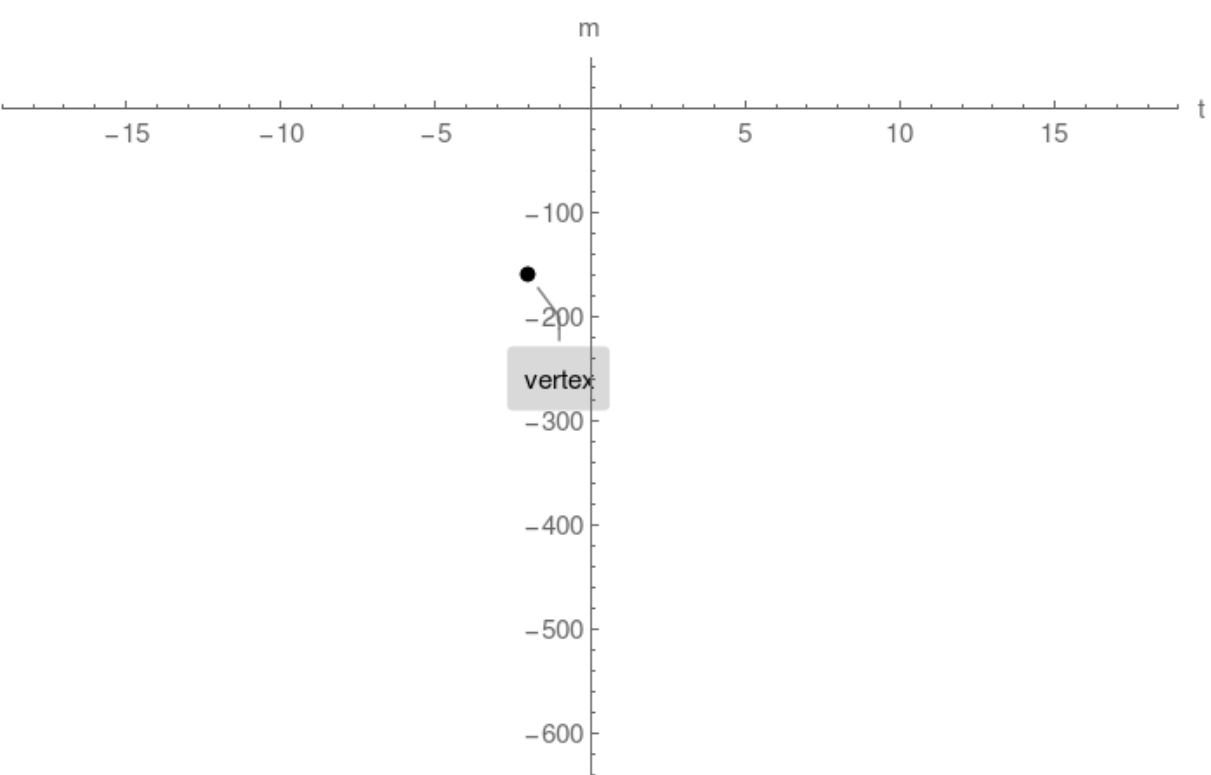# Example 2. No horizontal intercepts found

Plot $m(t) = -t^2 - 4t - 164$

Step 1.
Compute vertex and plot single point:
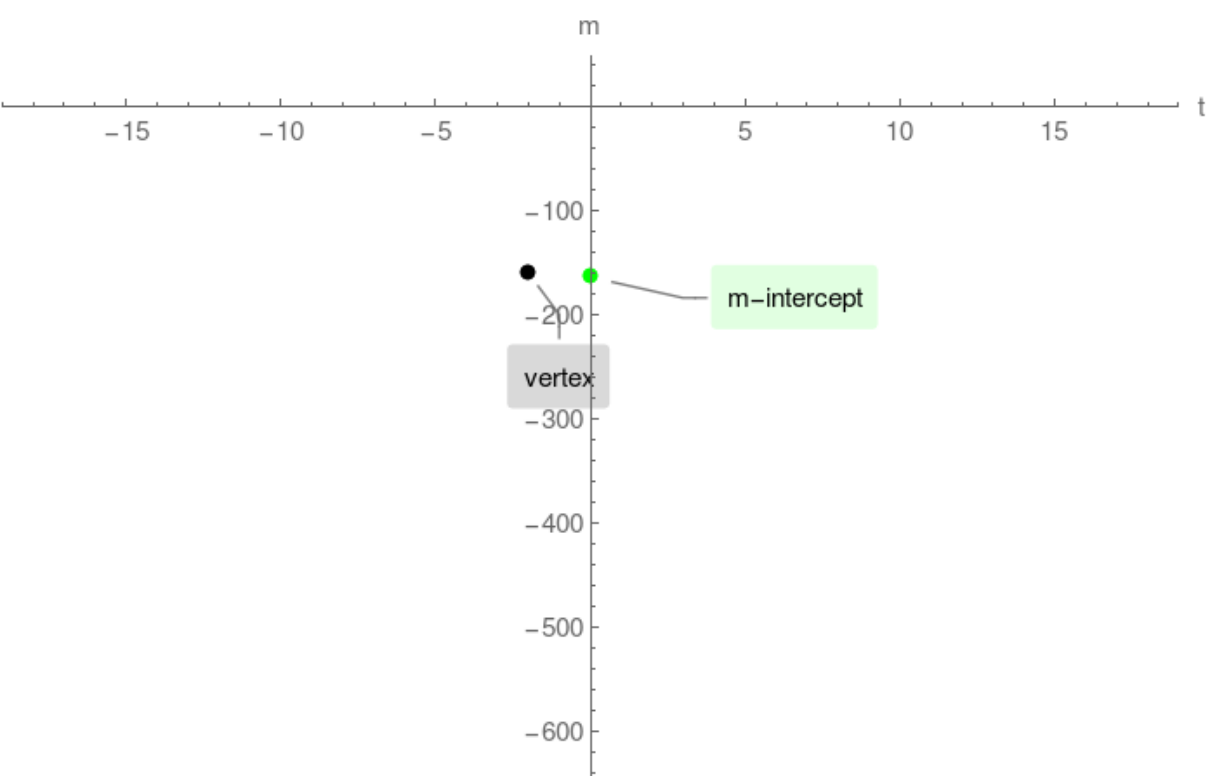vertex = $(-2, -160)$

Step 2.
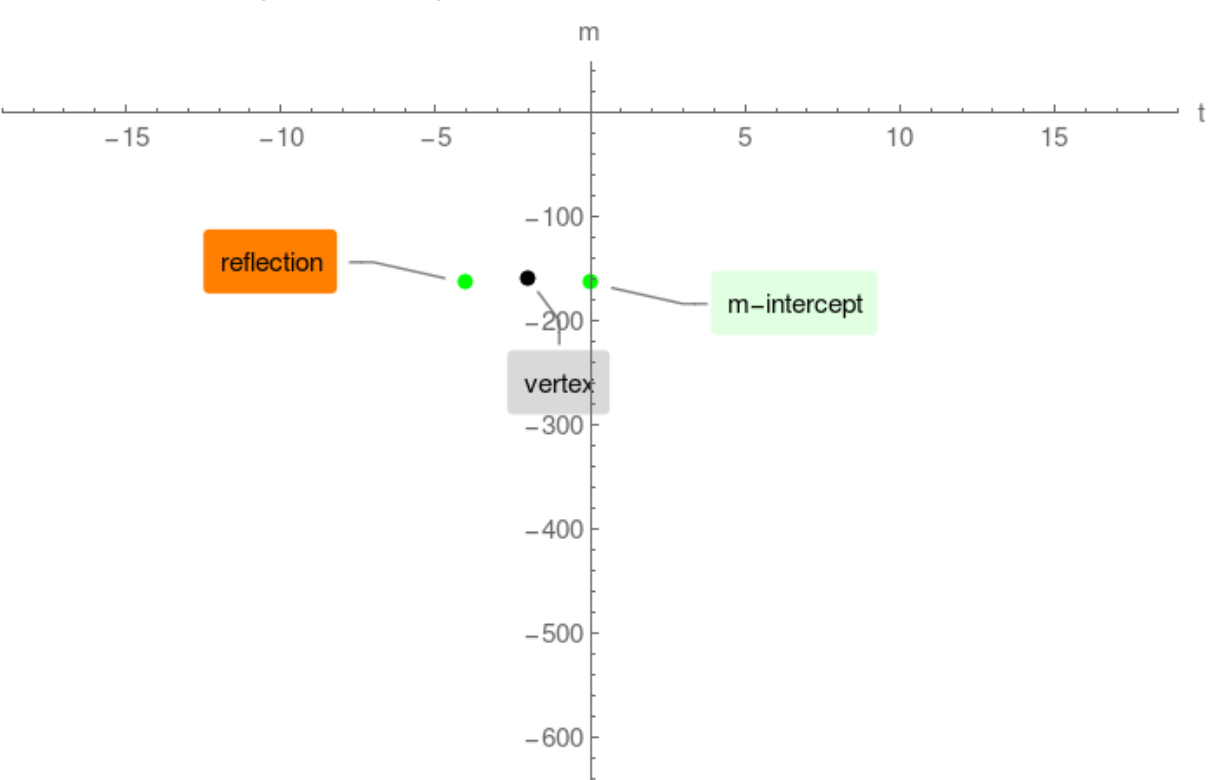Compute m-intercept and plot single point:
m-intercept = $(0, -164)$

Step 3.
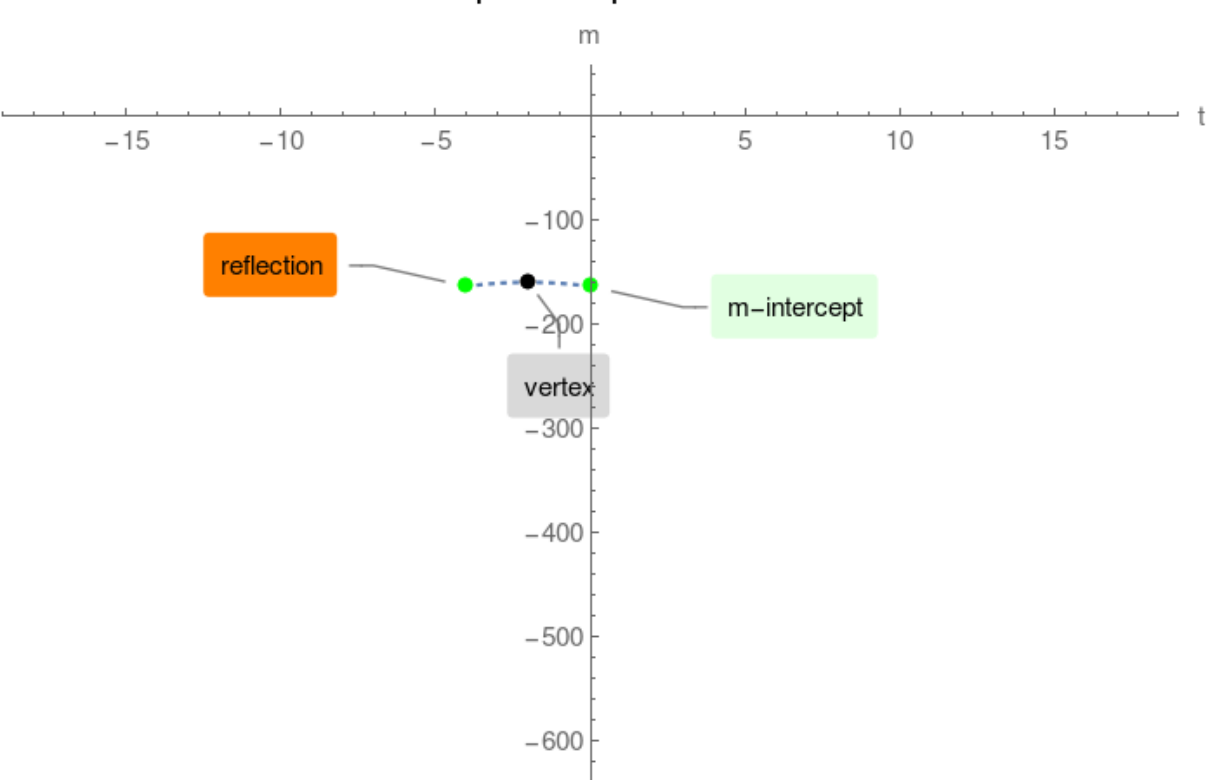Compute m-intercept reflected against vertex,
reflection = $(-4, -164)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts