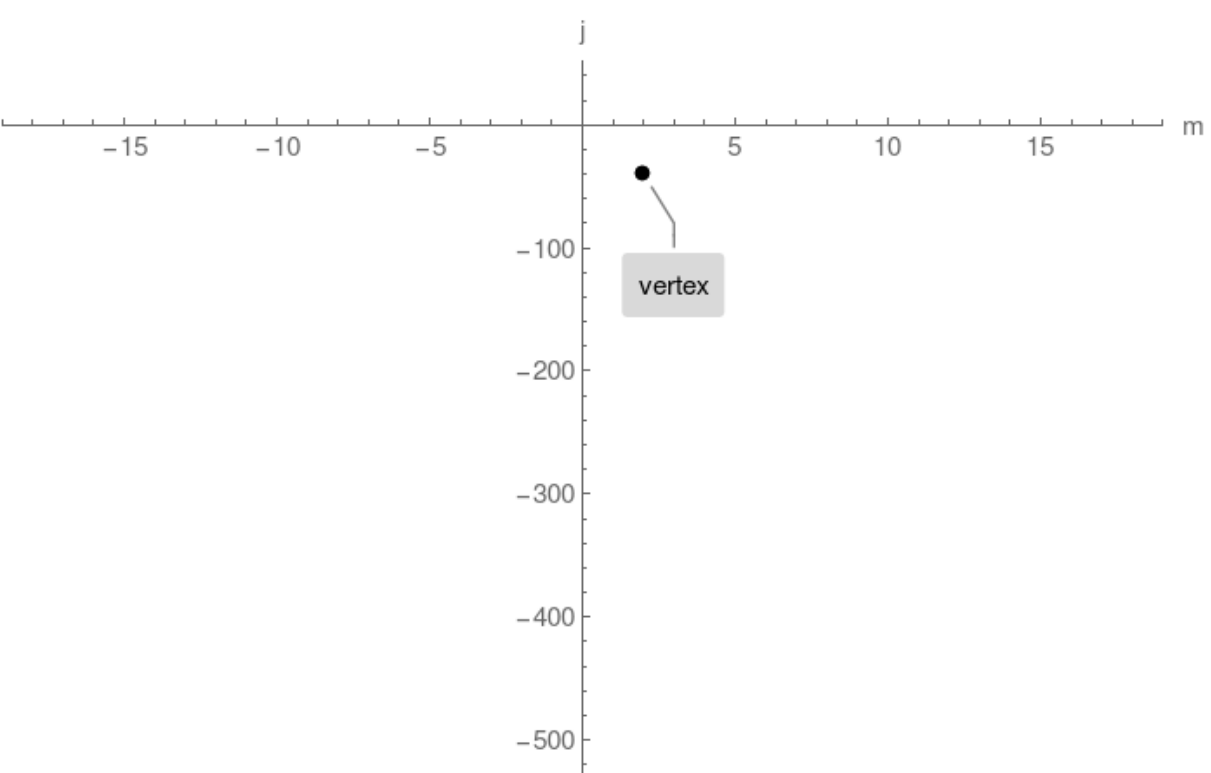# Example 2. No horizontal intercepts found

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

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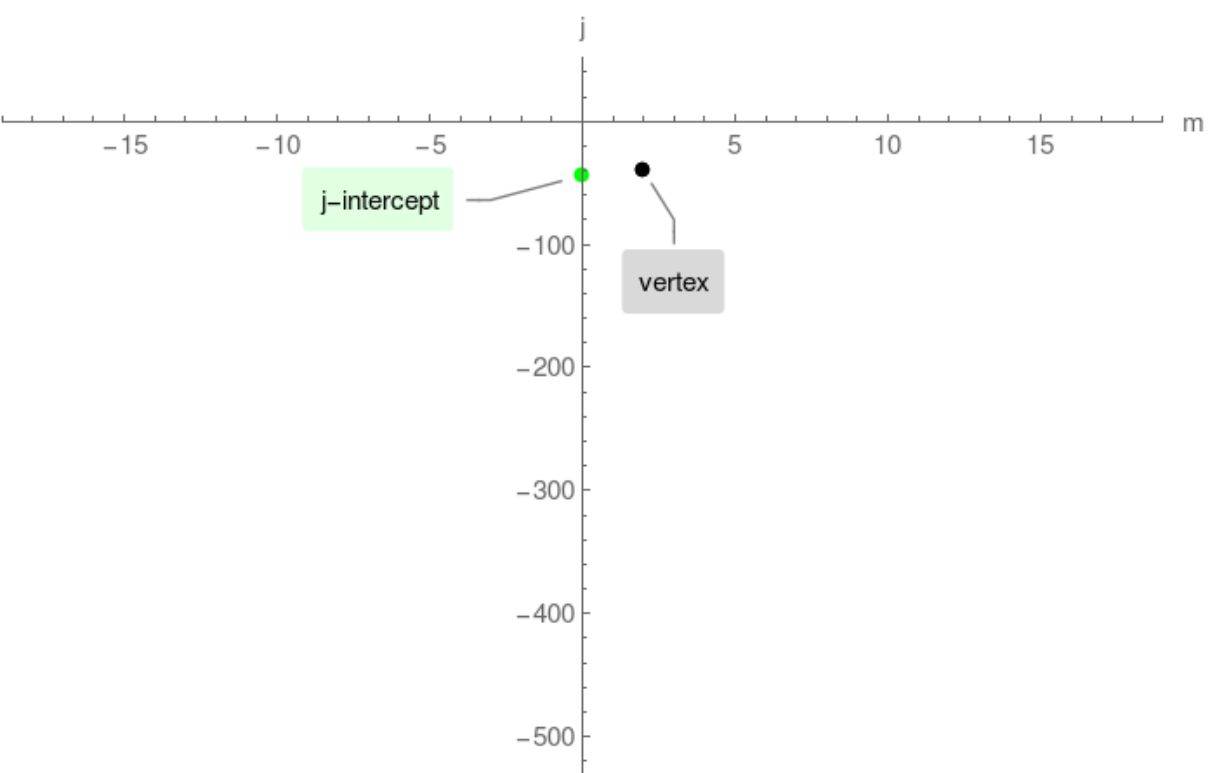vertex=$(2, -40)$

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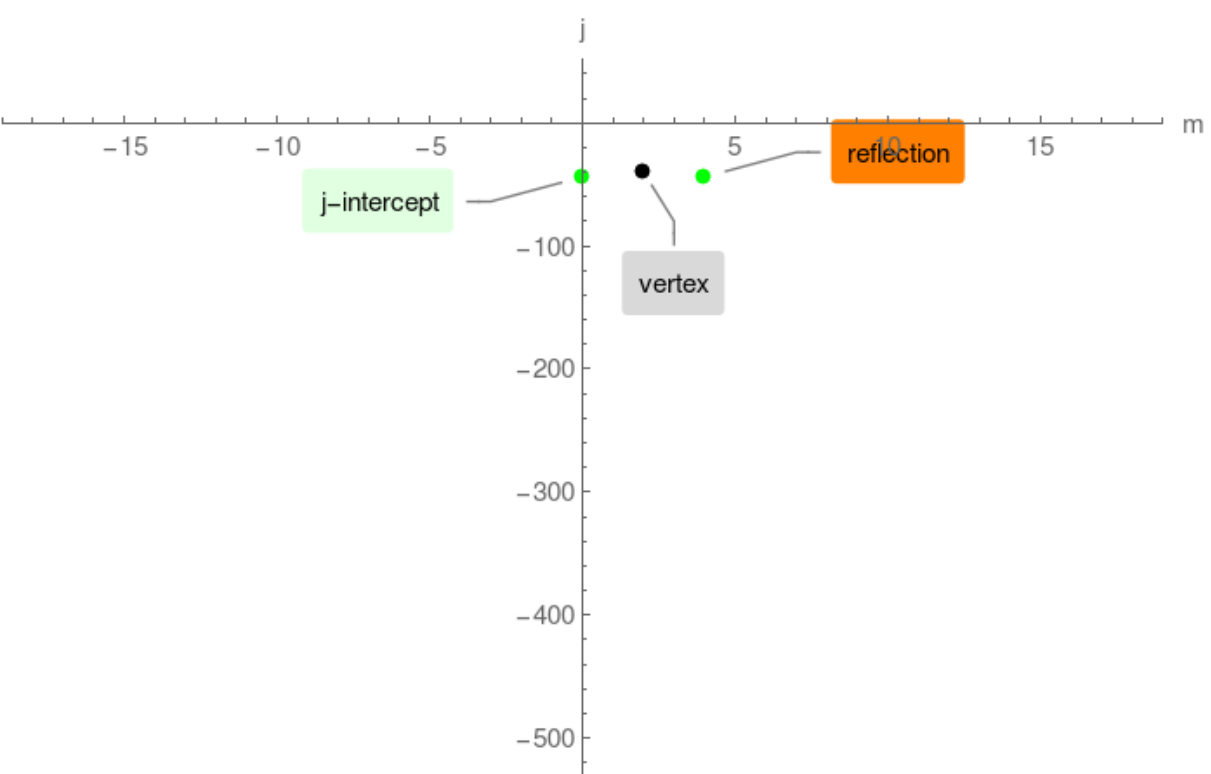Compute j-intercept and plot single point:
j-intercept=$(0, -44)$
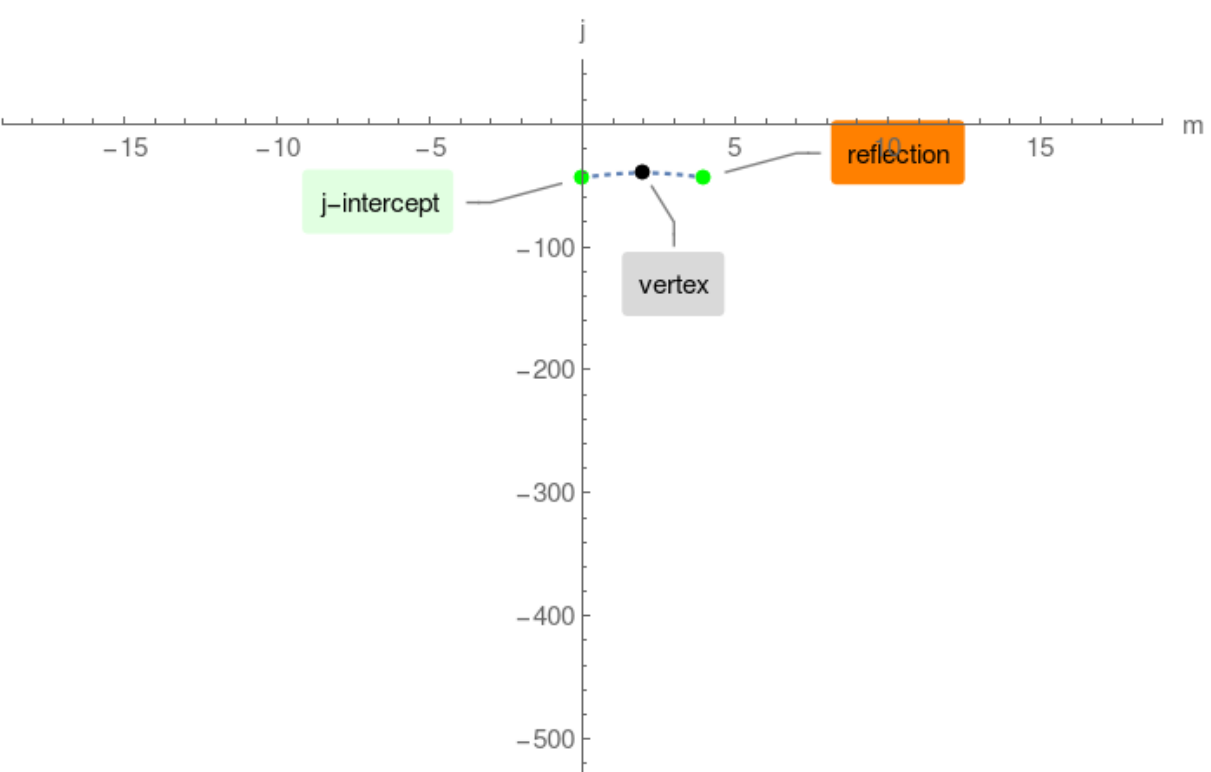

Step 3.
Compute j-intercept reflected against vertex,
reflection=$(4, -44)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts