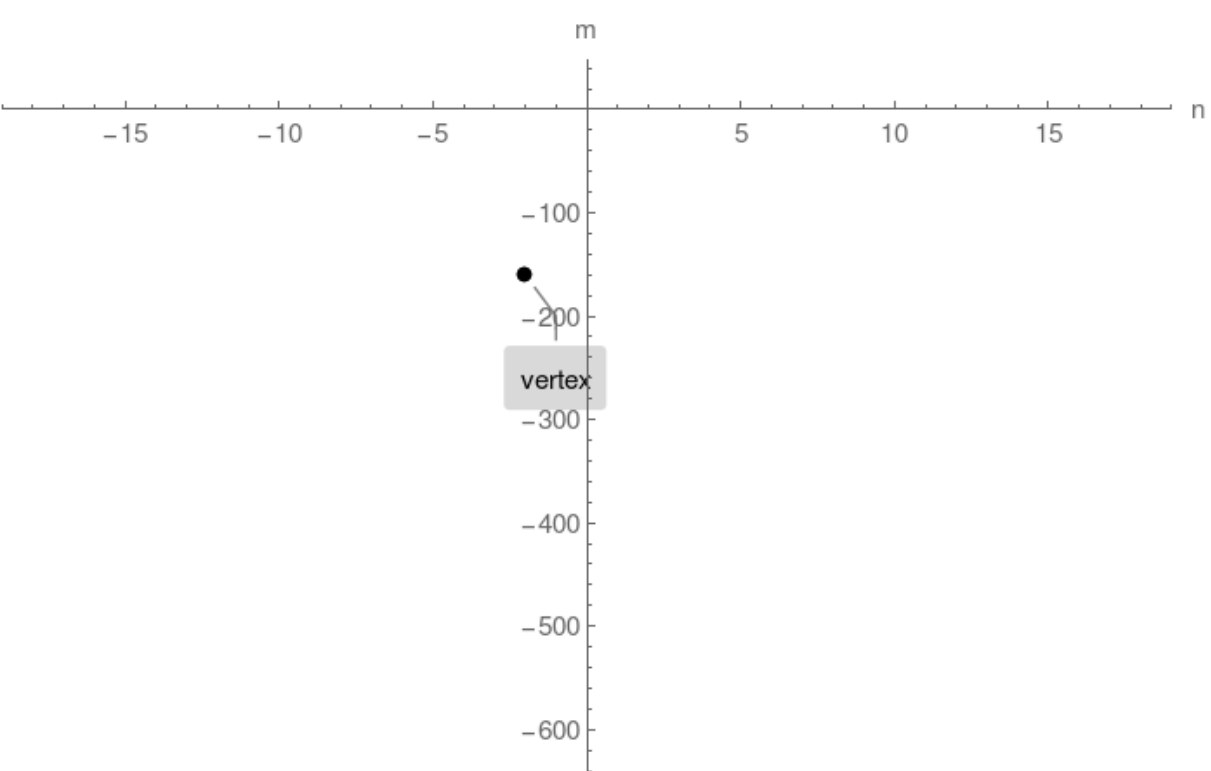# Example 2. No horizontal intercepts found

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

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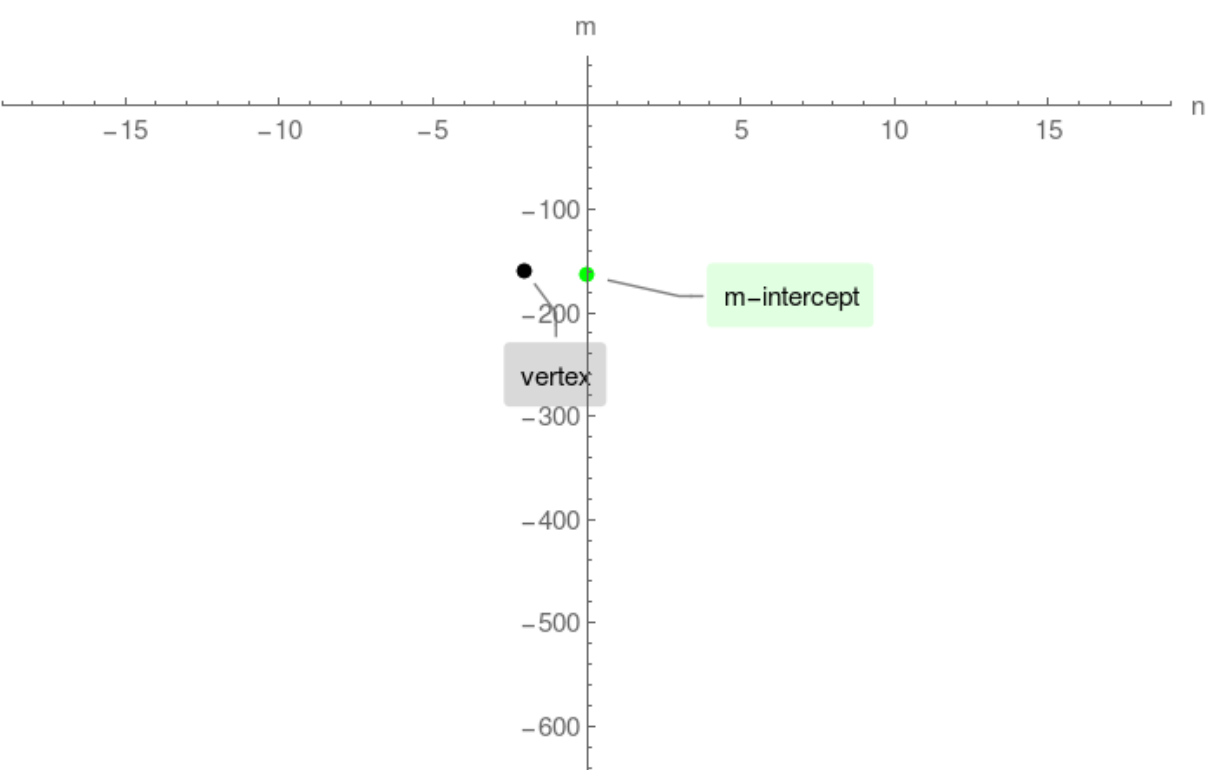vertex $= (-2, -160)$

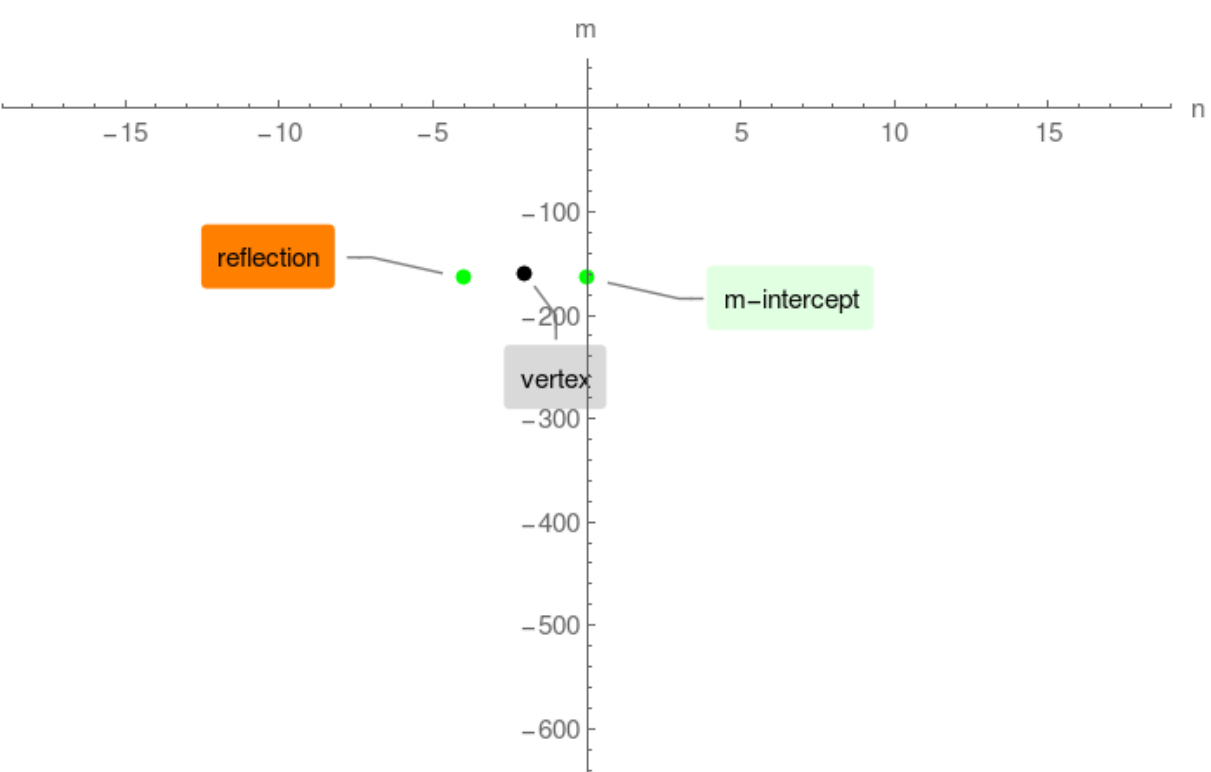## Step 2.
Compute m-intercept and plot single point:
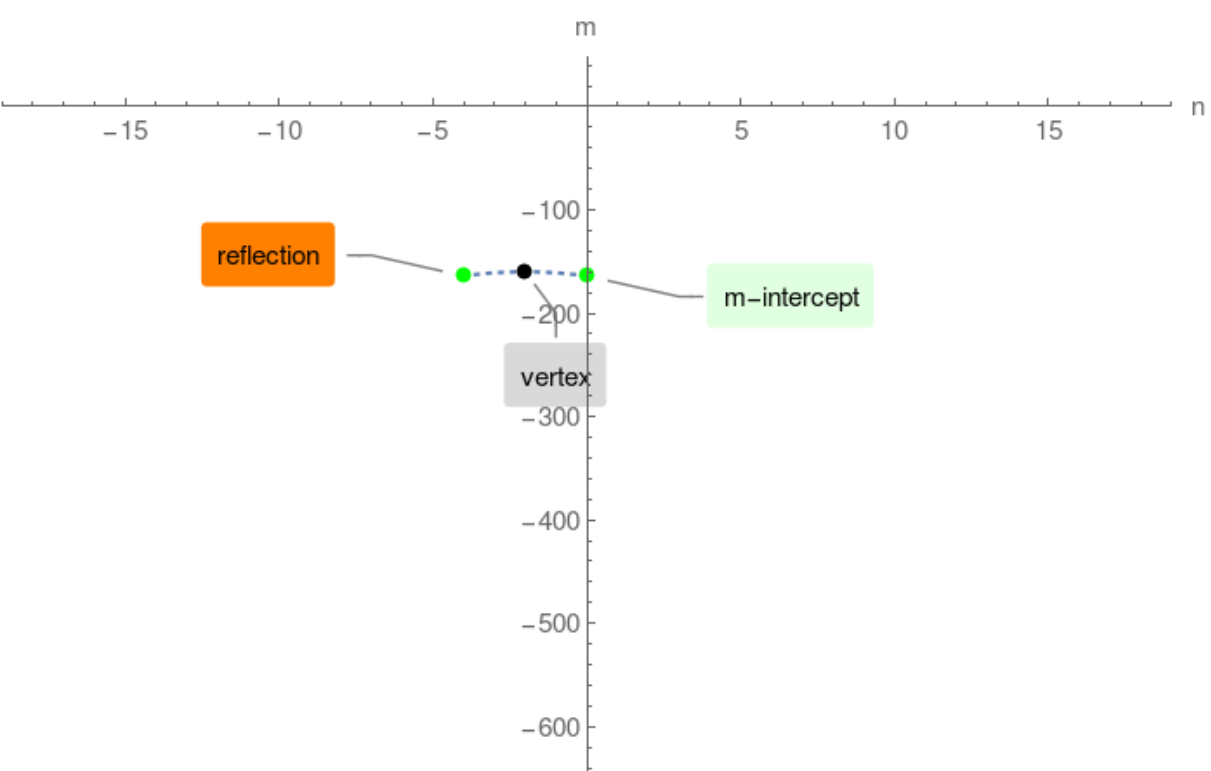m-intercept $= (0, -164)$

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