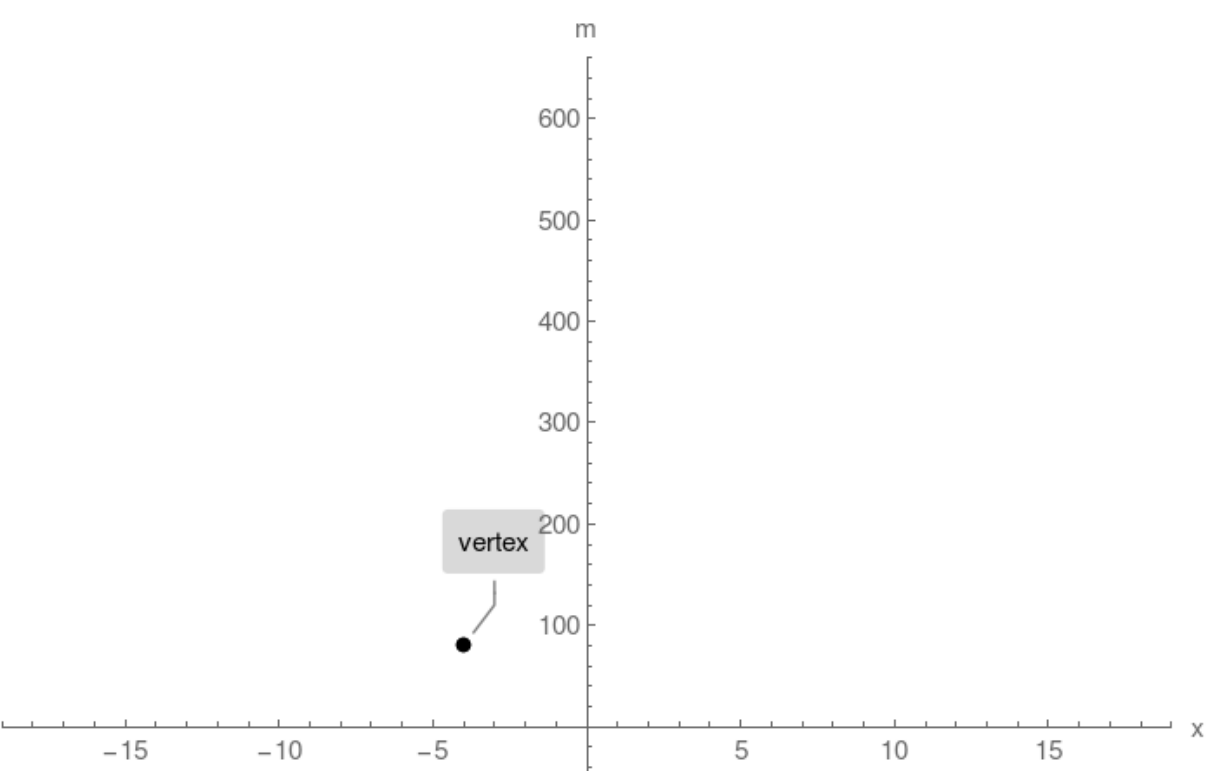# Example 2. No horizontal intercepts found

Plot $m(x) = x^2 + 8x + 96$

Step 1.
Compute vertex and plot single point:
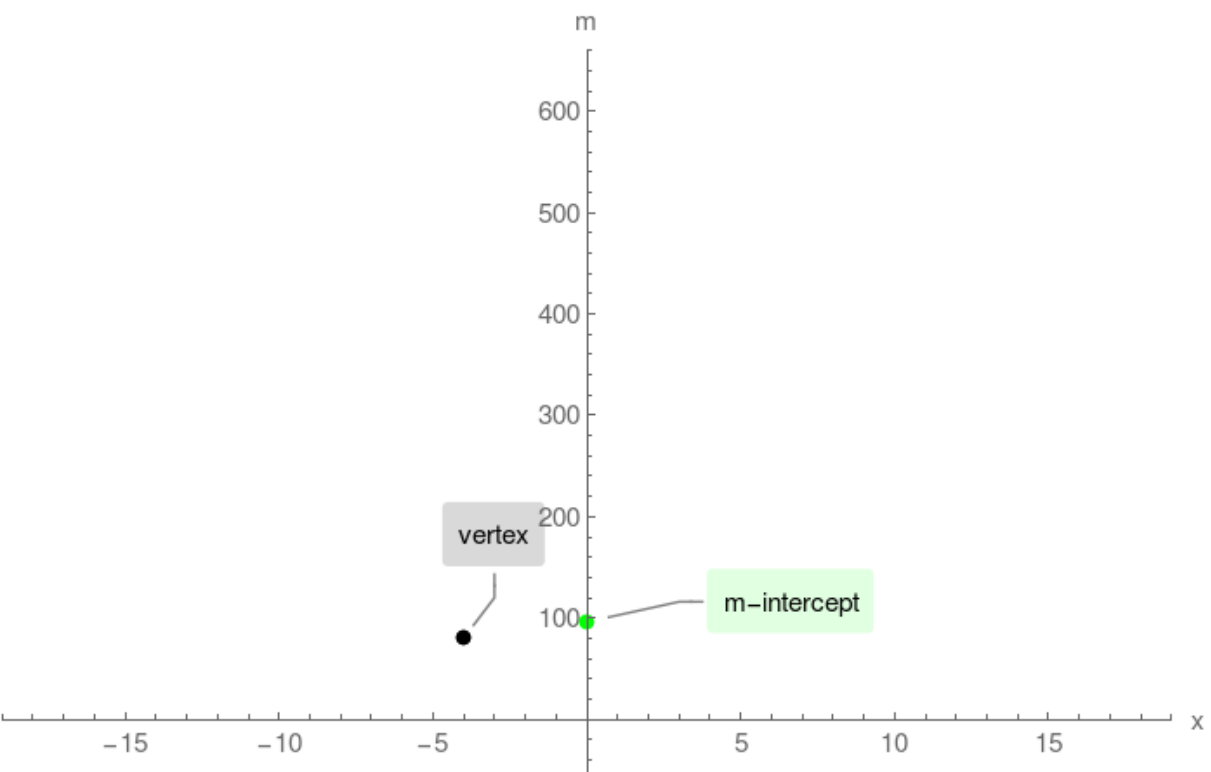$vertex = (-4, 80)$

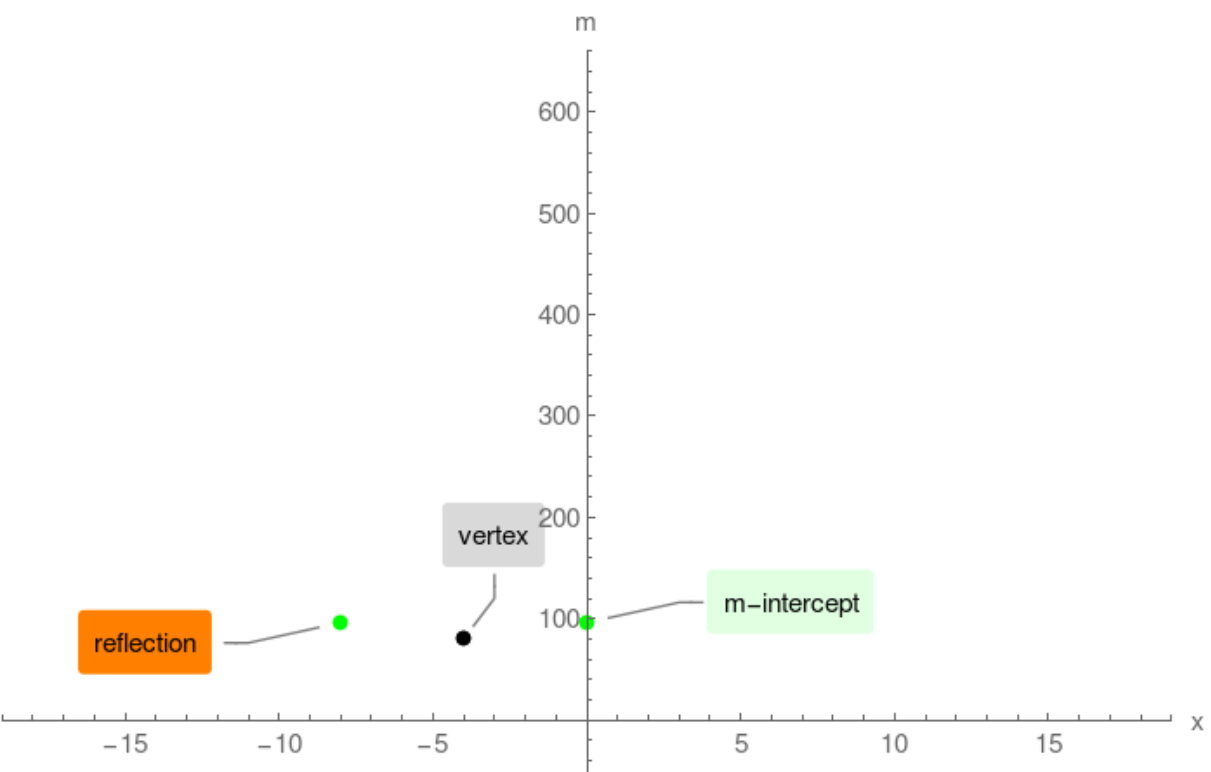## Step 2.
Compute m-intercept and plot single point:
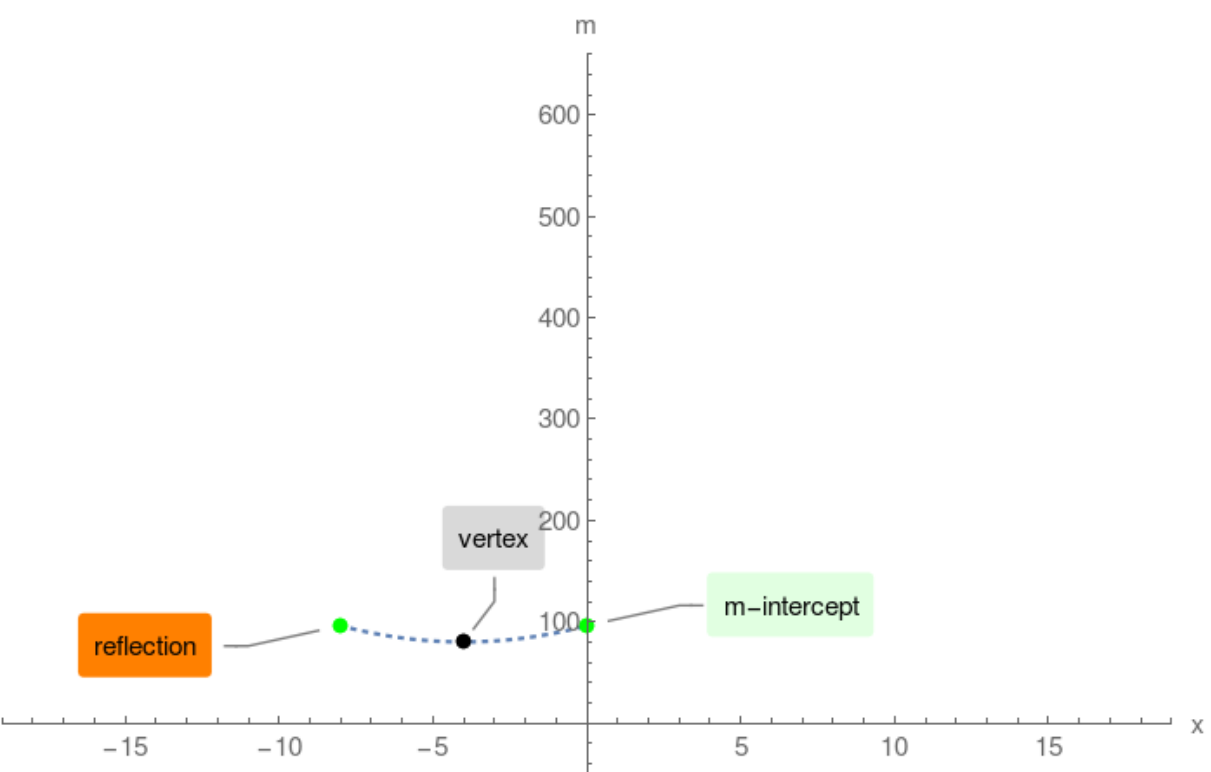$m-intercept = (0, 96)$

Step 3.
Compute m-intercept reflected against vertex,
$reflection = (-8, 96)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts