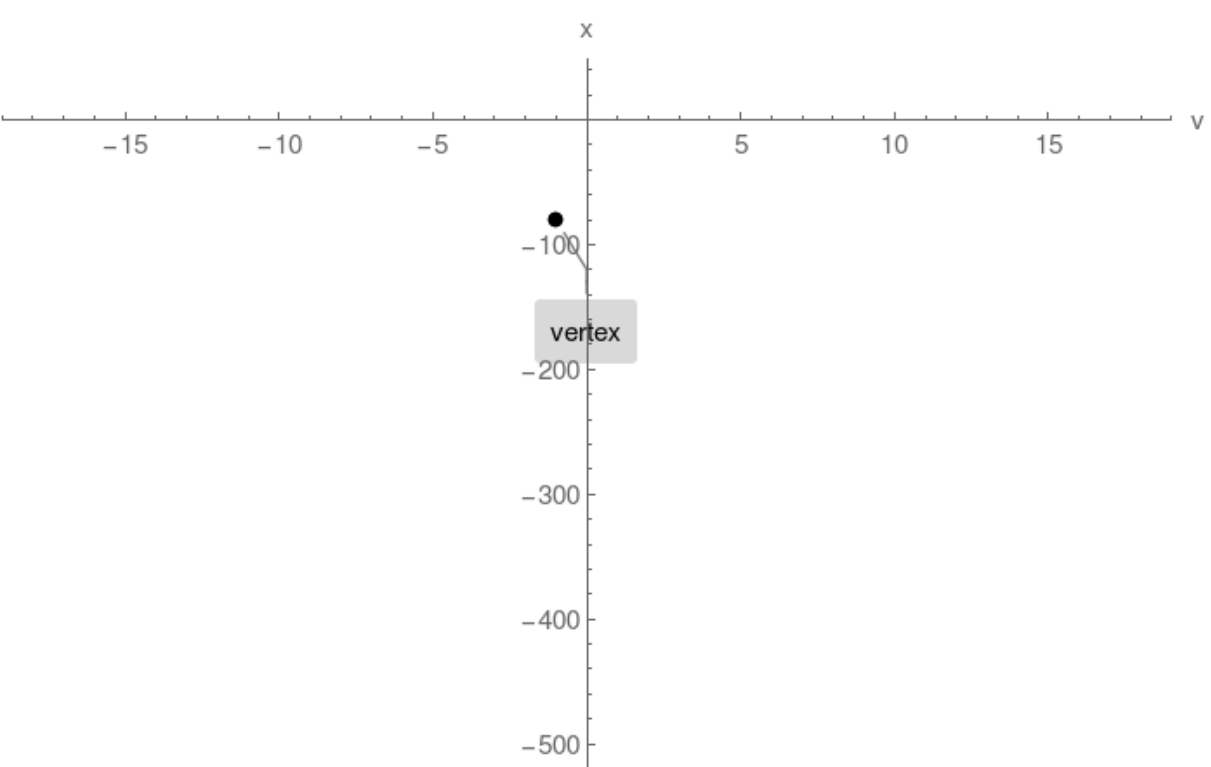# Example 2. No horizontal intercepts found

Plot $x(v) = -v^2 - 2v - 81$

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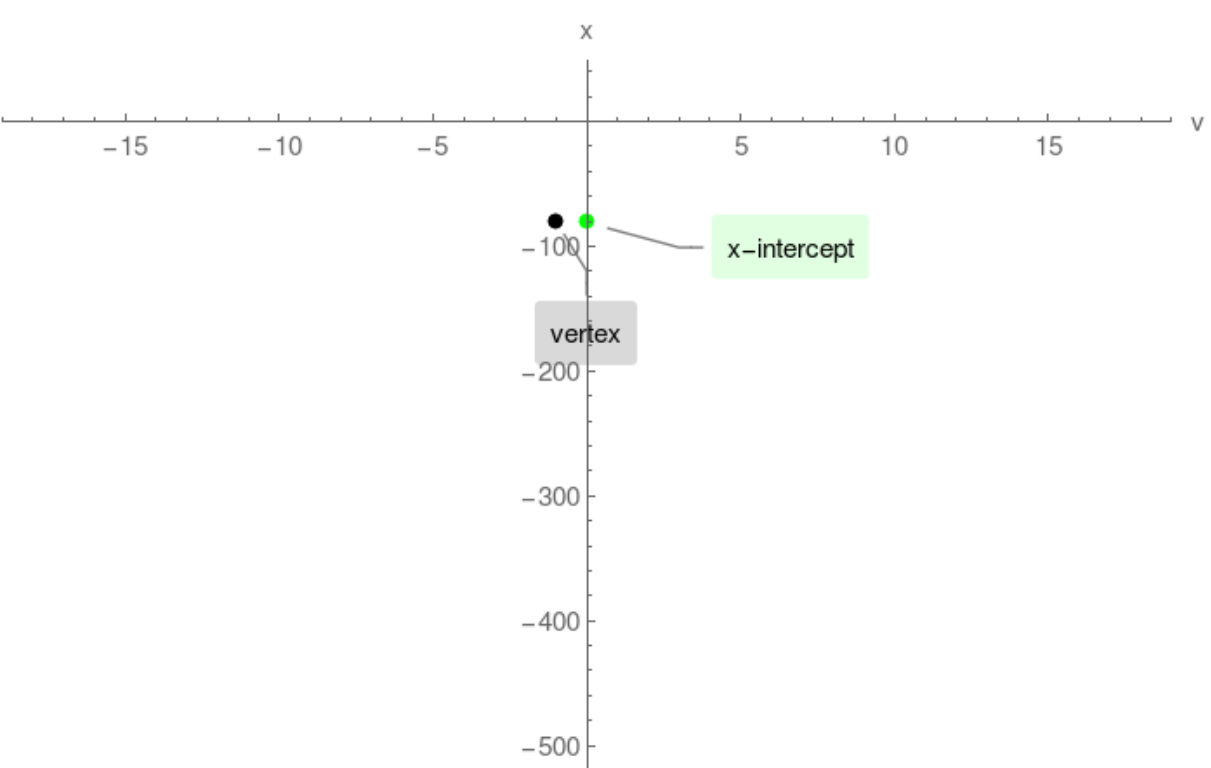vertex = $(-1, -80)$

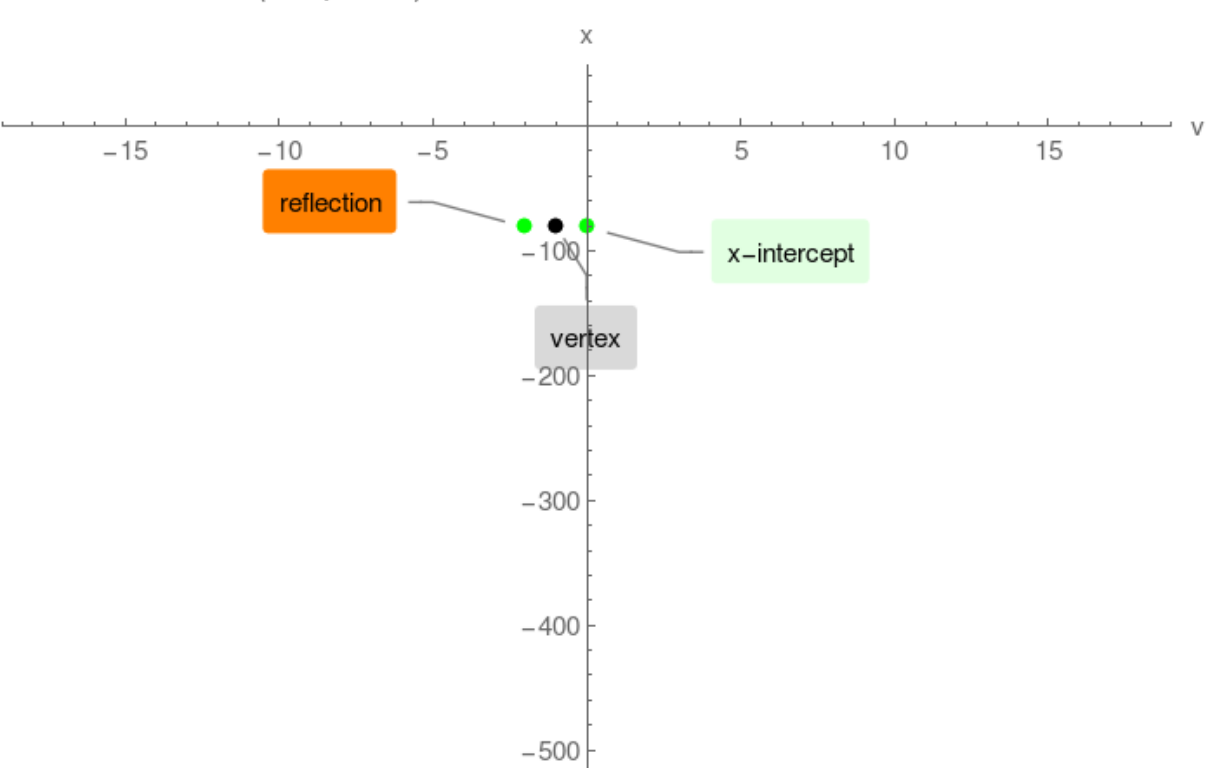## Step 2.
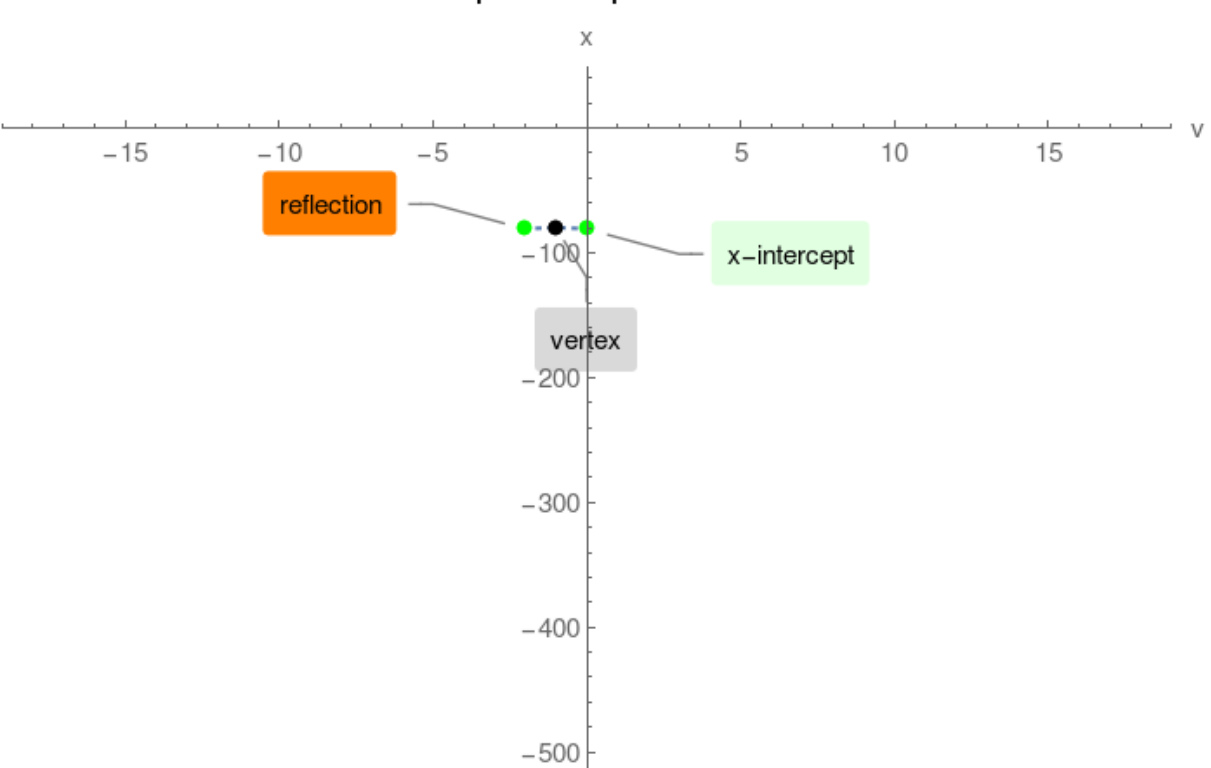Compute x-intercept and plot single point:
x-intercept = $(0, -81)$

Step 3.
Compute x-intercept reflected against vertex,
reflection = $(-2, -81)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts