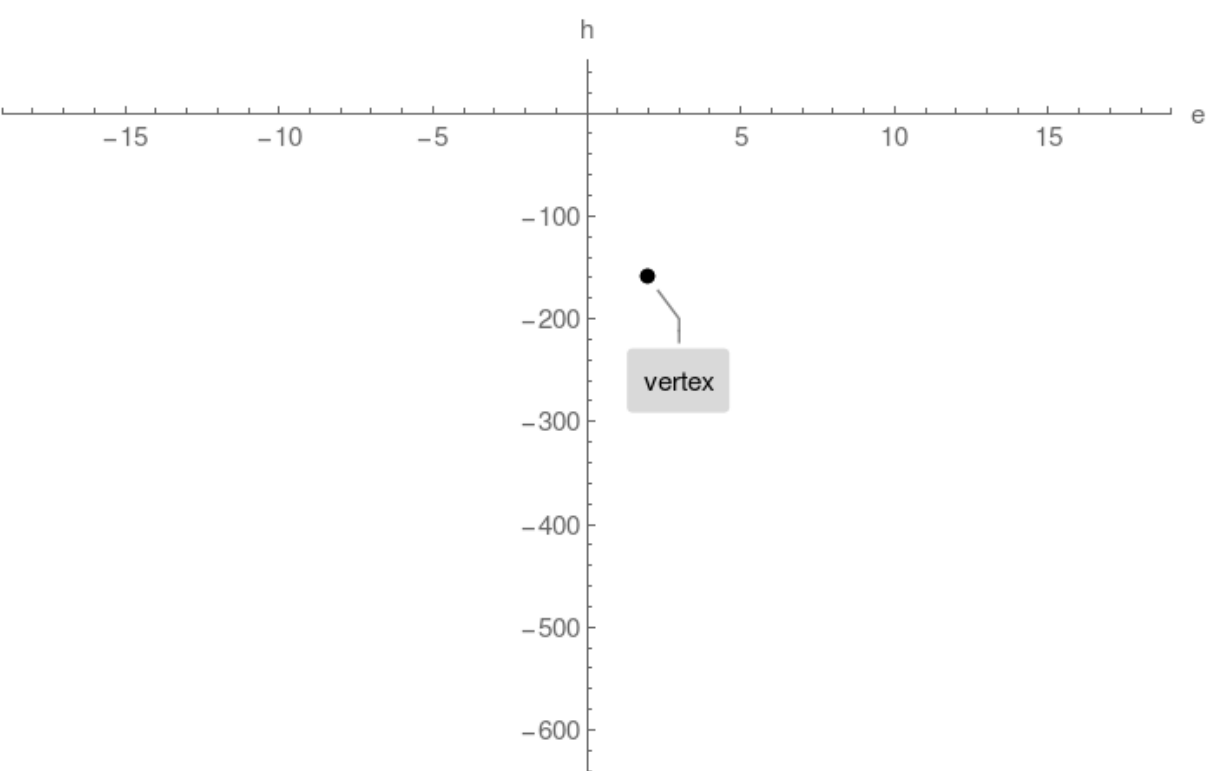# Example 2. No horizontal intercepts found

Plot $h(e) = -e^2 + 4e - 164$

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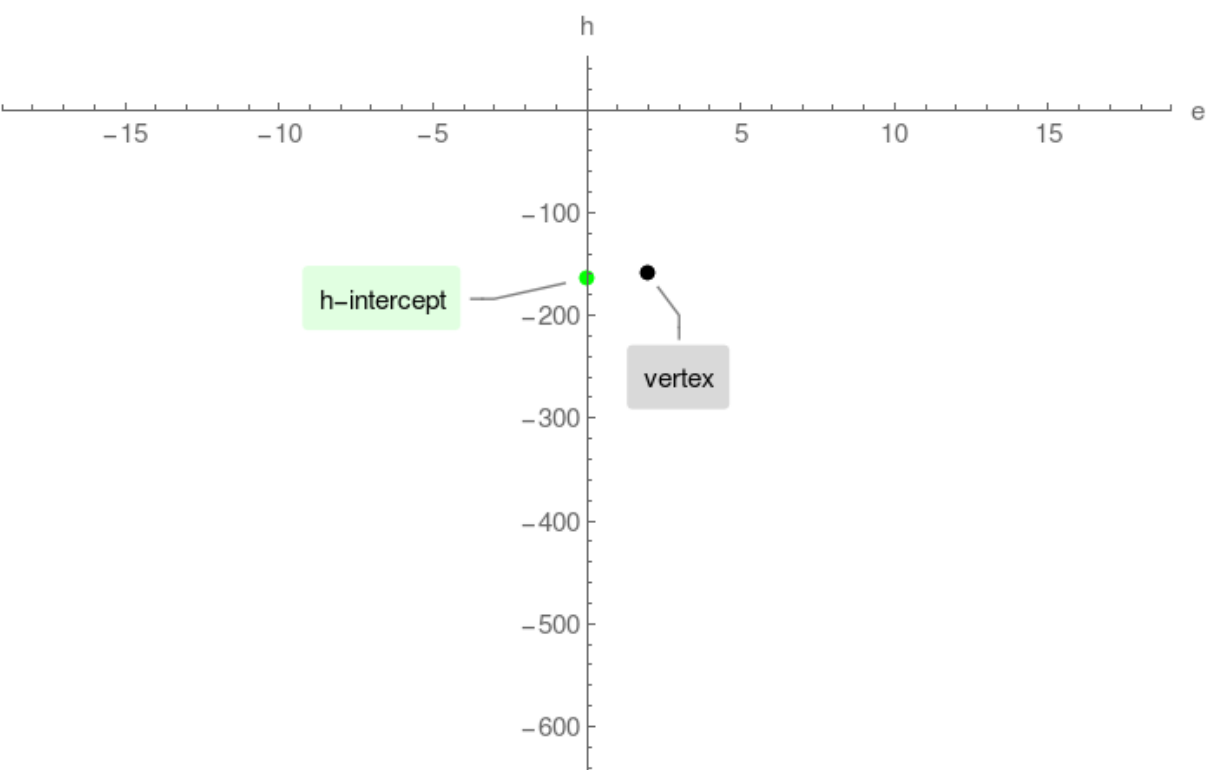vertex = $(2, -160)$

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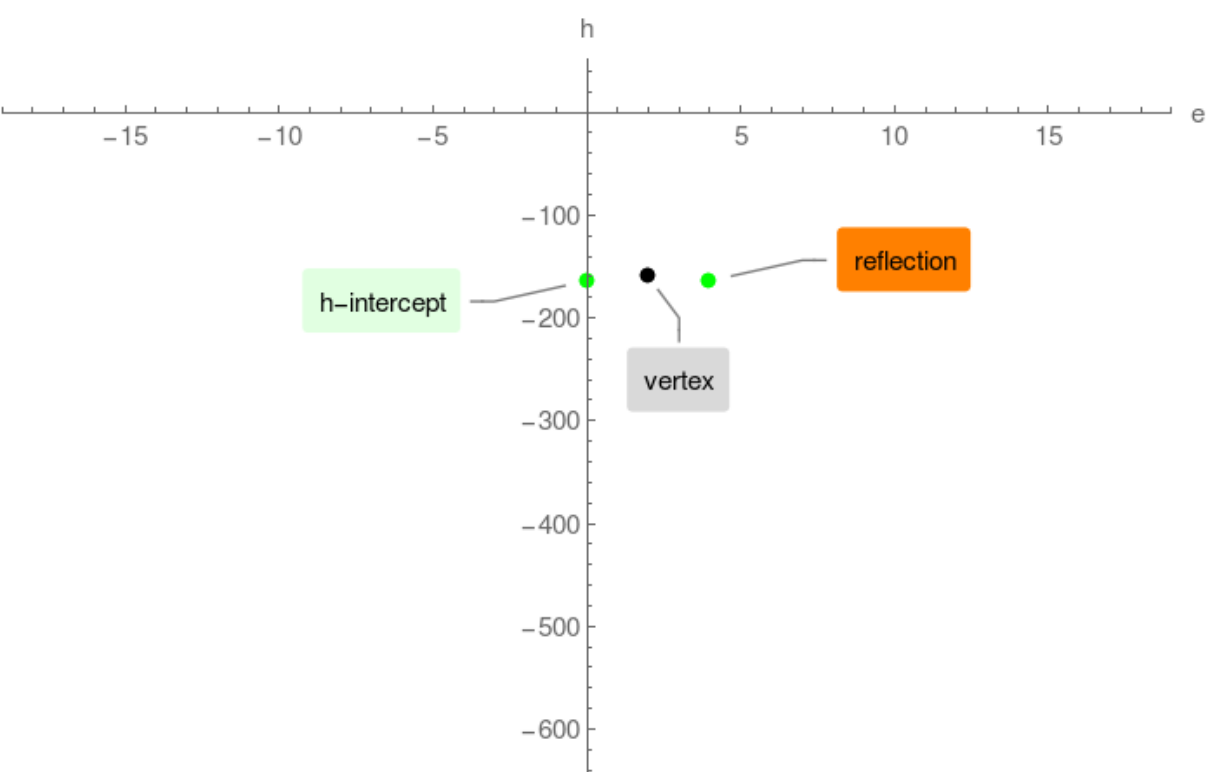Compute h−intercept and plot single point:
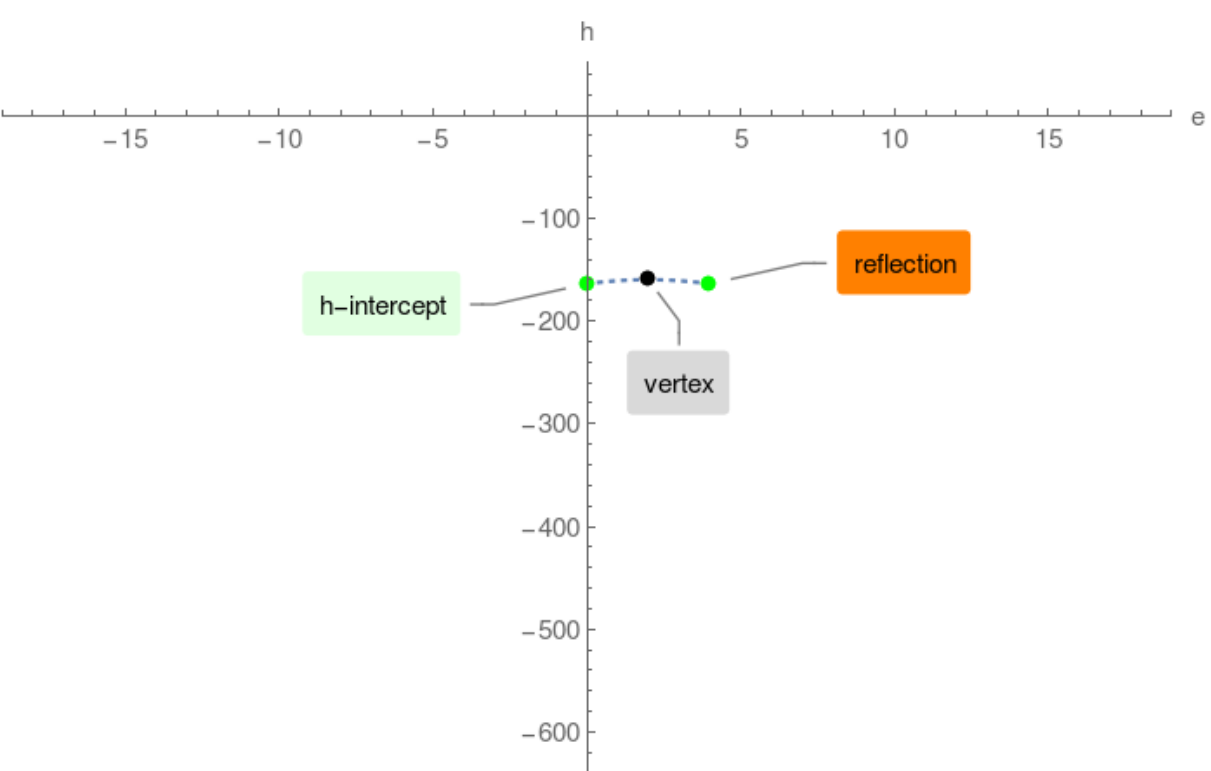h−intercept = $(0, -164)$

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

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts