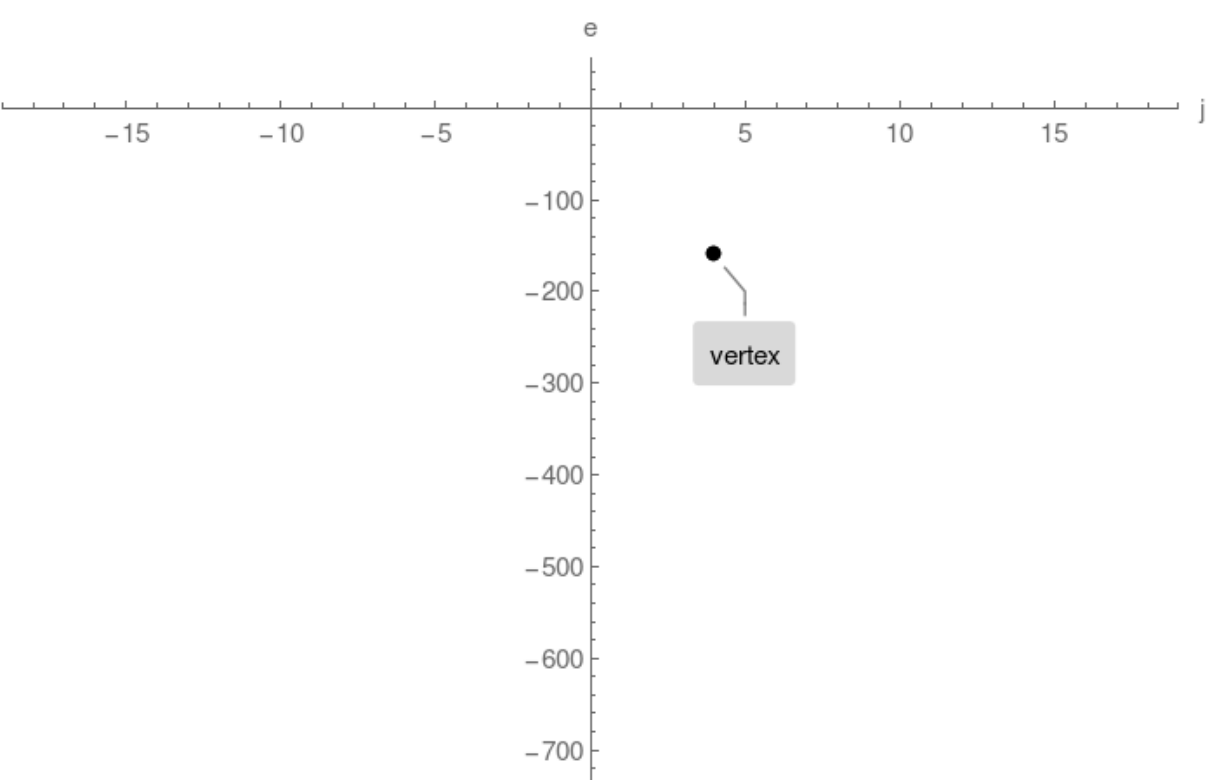# Example 2. No horizontal intercepts found

Plot $e(j) = -j^2 + 8j - 176$

Step 1.
Compute vertex and plot single point:
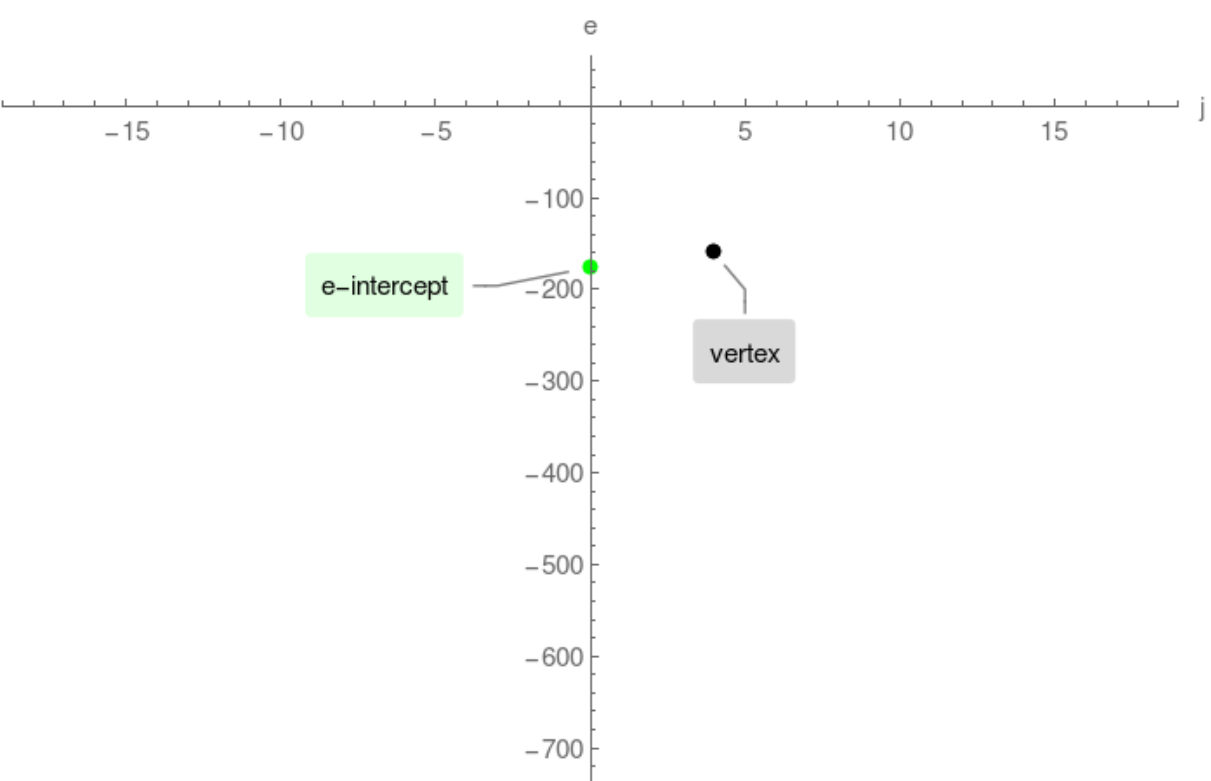vertex = $(4, -160)$

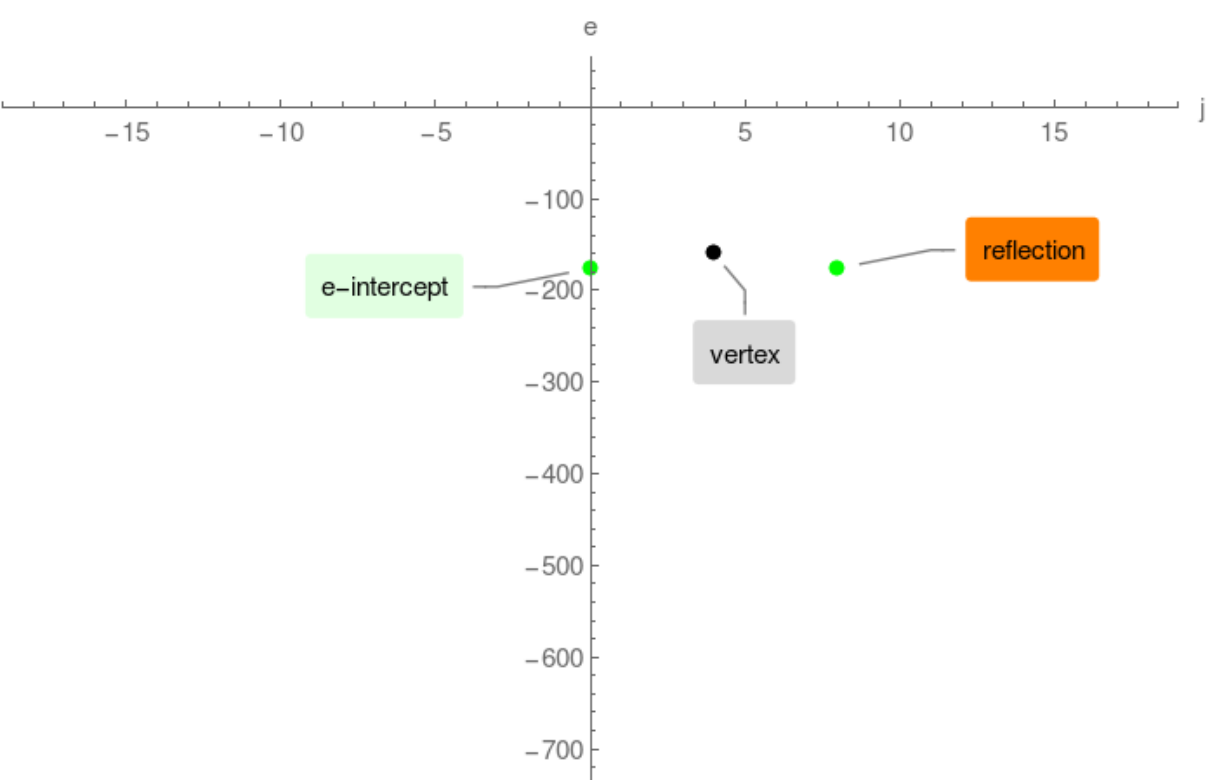## Step 2.
Compute e-intercept and plot single point:
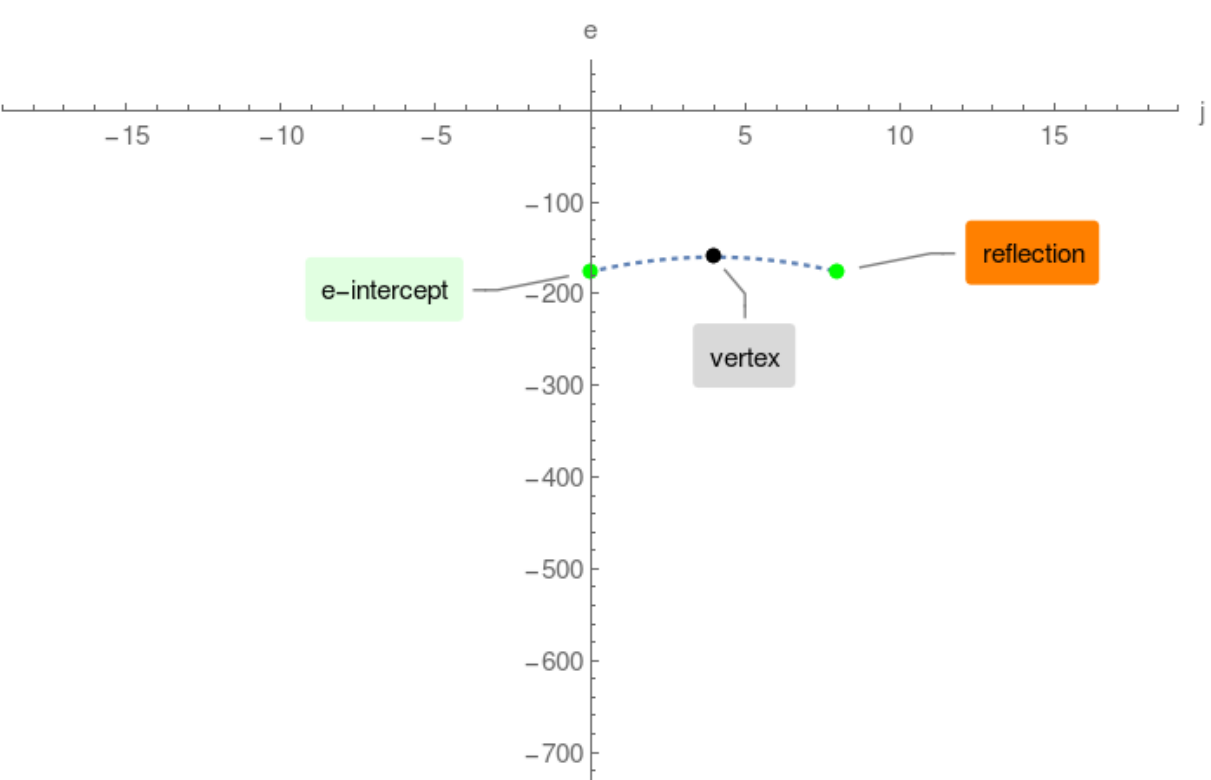e-intercept = $(0, -176)$

Step 3.
Compute e-intercept reflected against vertex,
reflection = $(8, -176)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts