

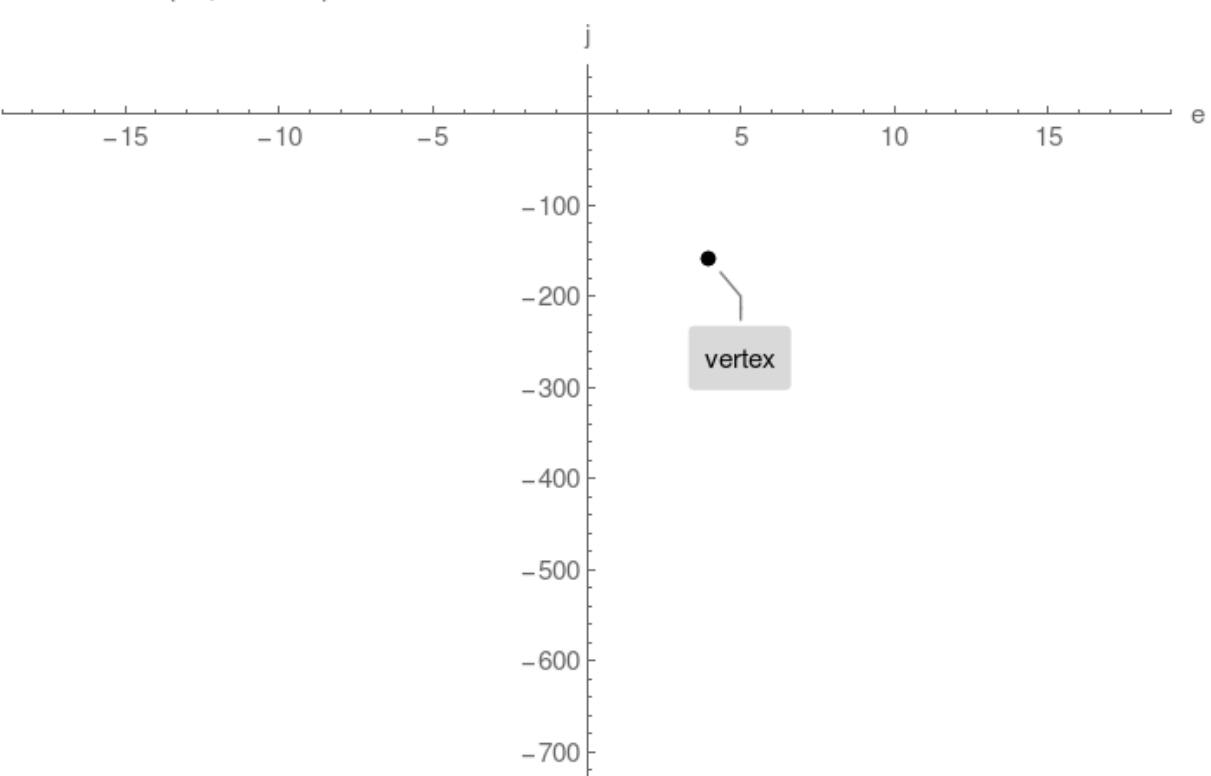
Example 2. No horizontal intercepts found

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

Step 1.

Compute vertex and plot single point:

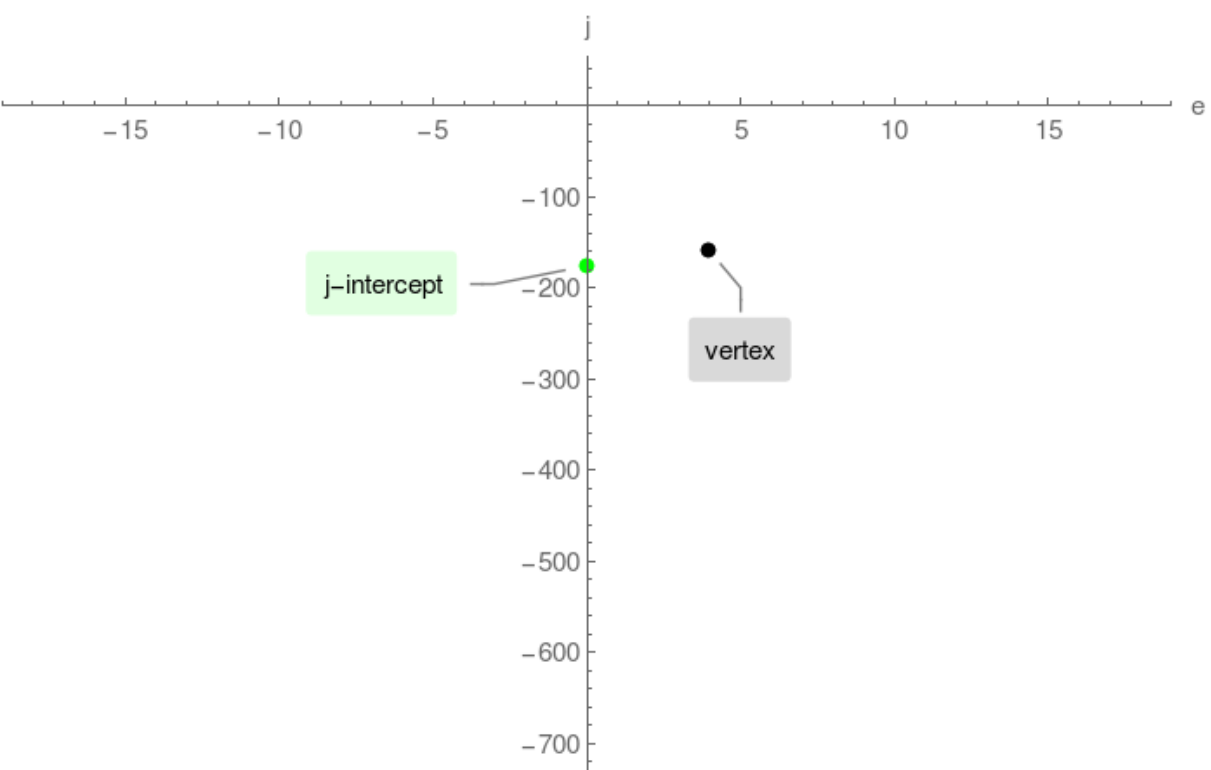
vertex = $(4, -160)$



Step 2.

Compute j-intercept and plot single point:

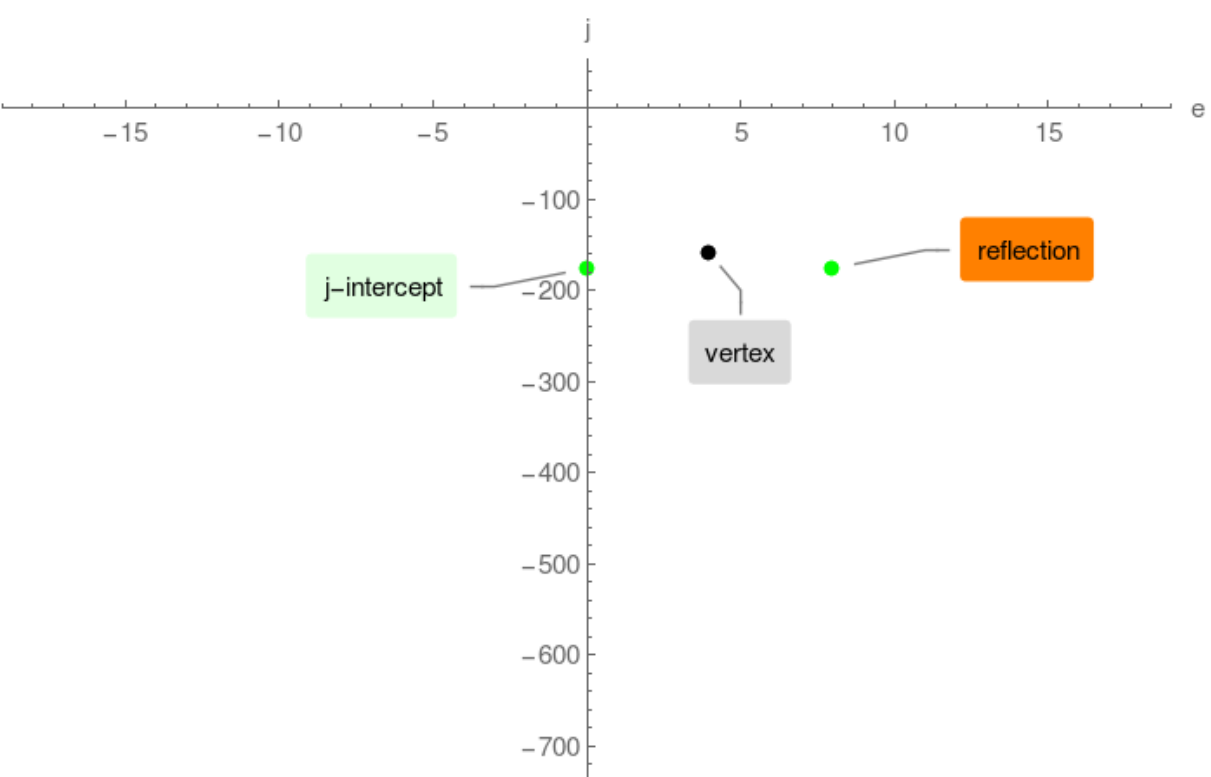
j-intercept = $(0, -176)$



Step 3.

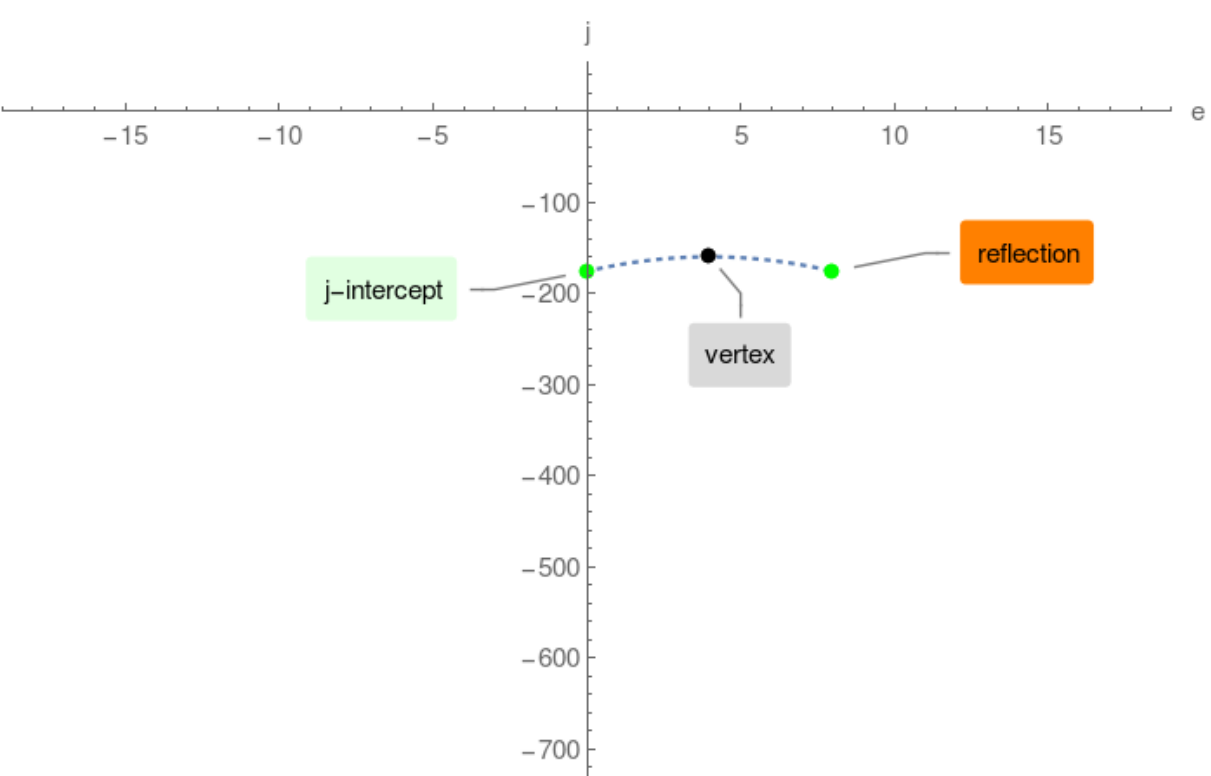
Compute j-intercept reflected against vertex,

reflection = $(8, -176)$



Step 4.

connect the above computed points:



Step 5.

Extend the parabola beyond the range of intercepts

