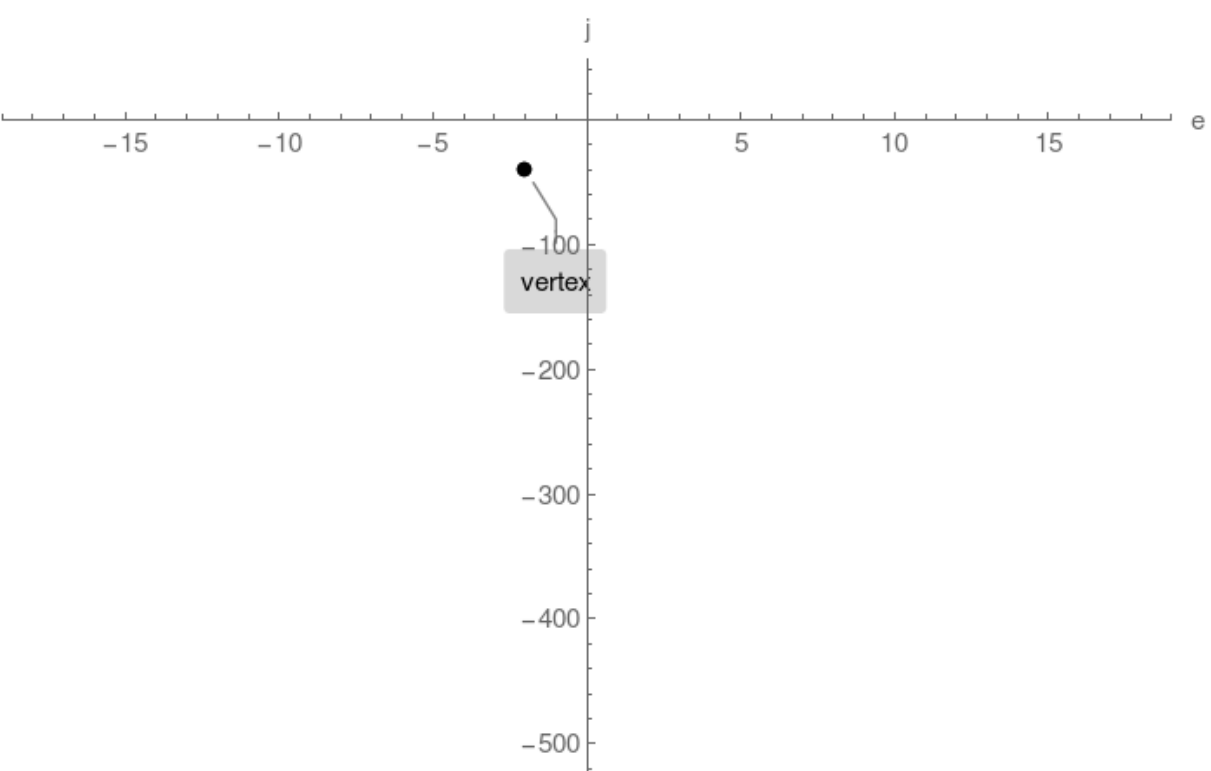# Example 2. No horizontal intercepts found

Plot $j(e) = -e^2 - 4e - 44$

Step 1.
Compute vertex and plot single point:
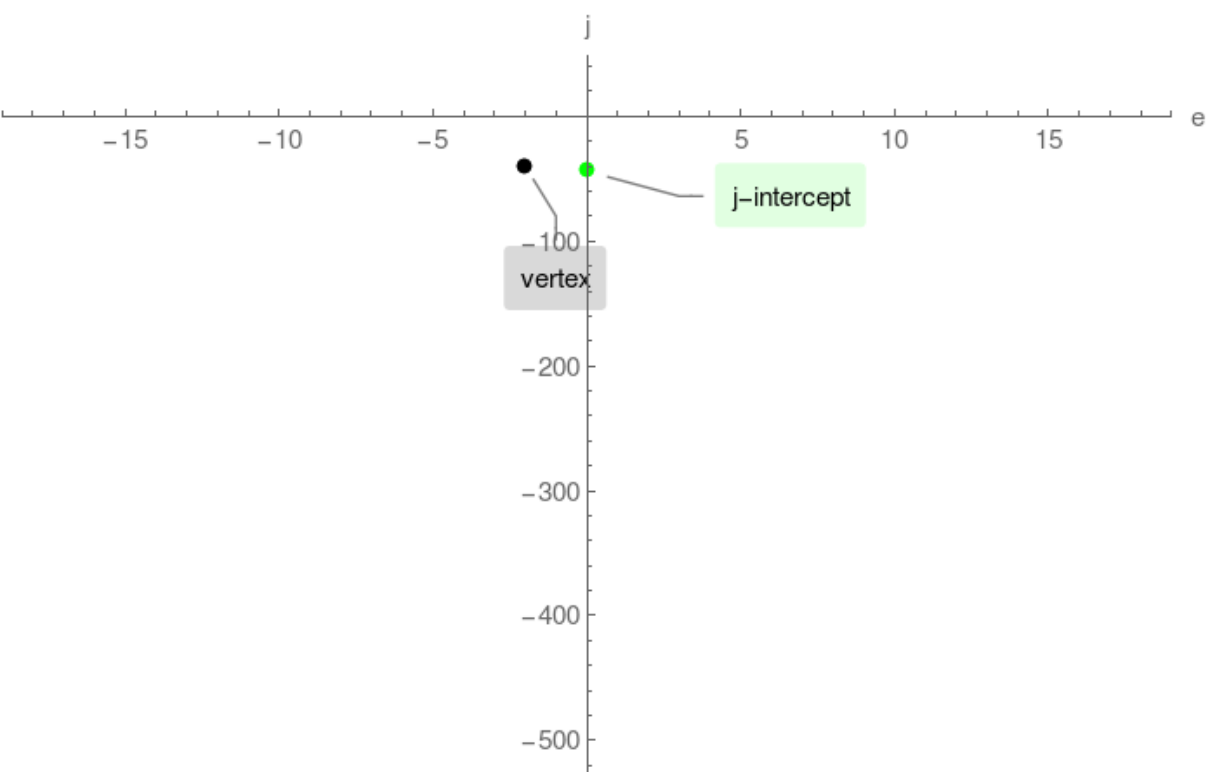vertex$= (-2, -40)$

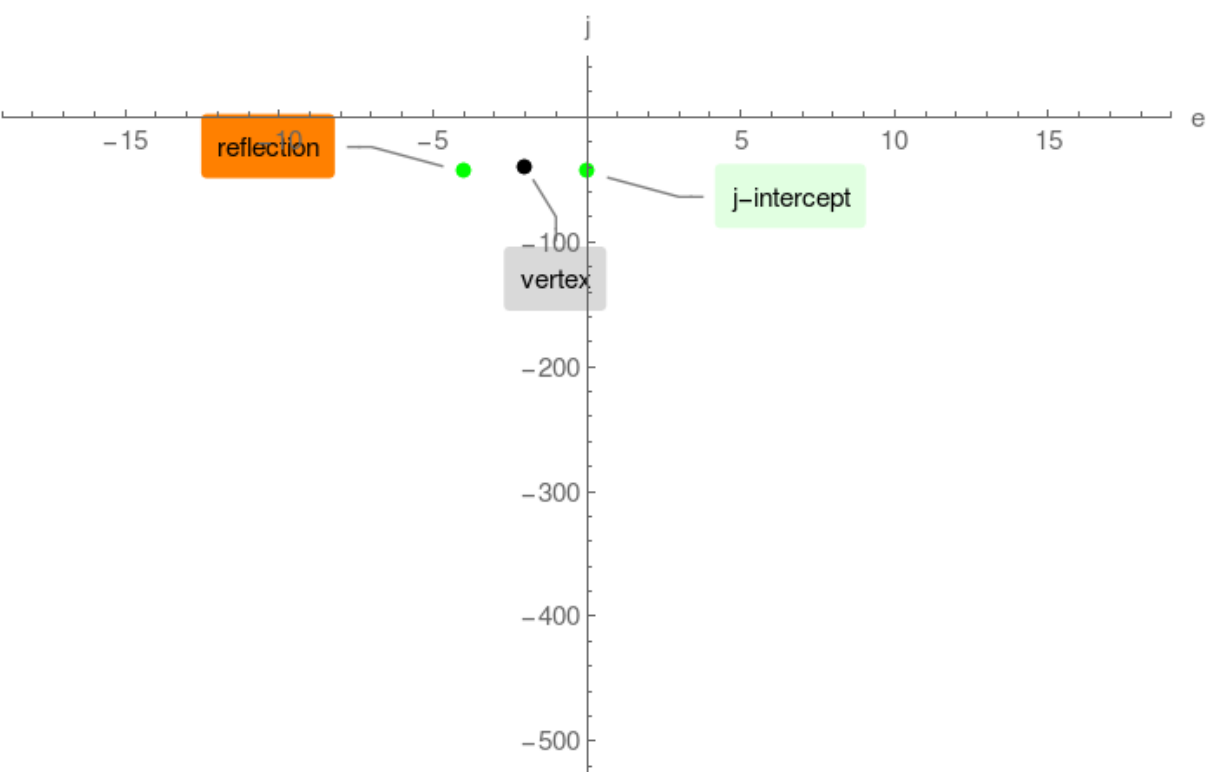**Step 2.**
Compute j-intercept and plot single point:
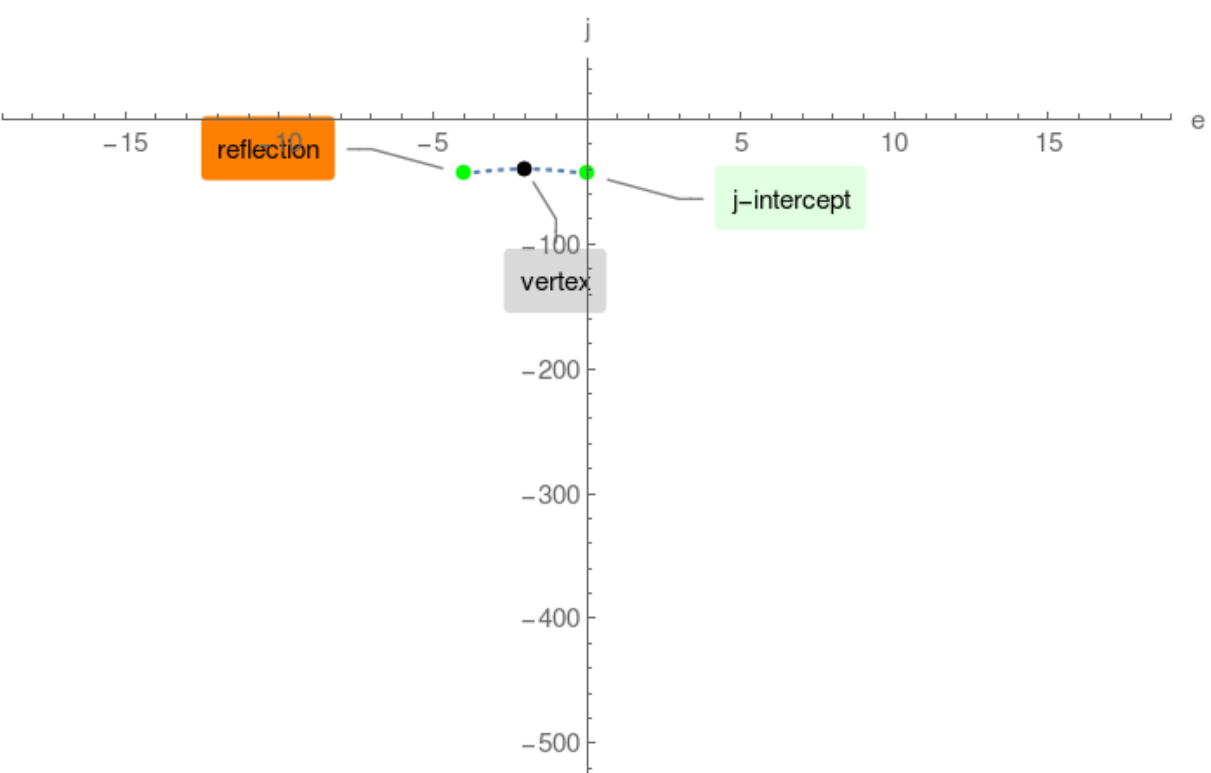j-intercept$= (0, -44)$

Step 3.
Compute j-intercept reflected against vertex,
reflection$= (-4, -44)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts