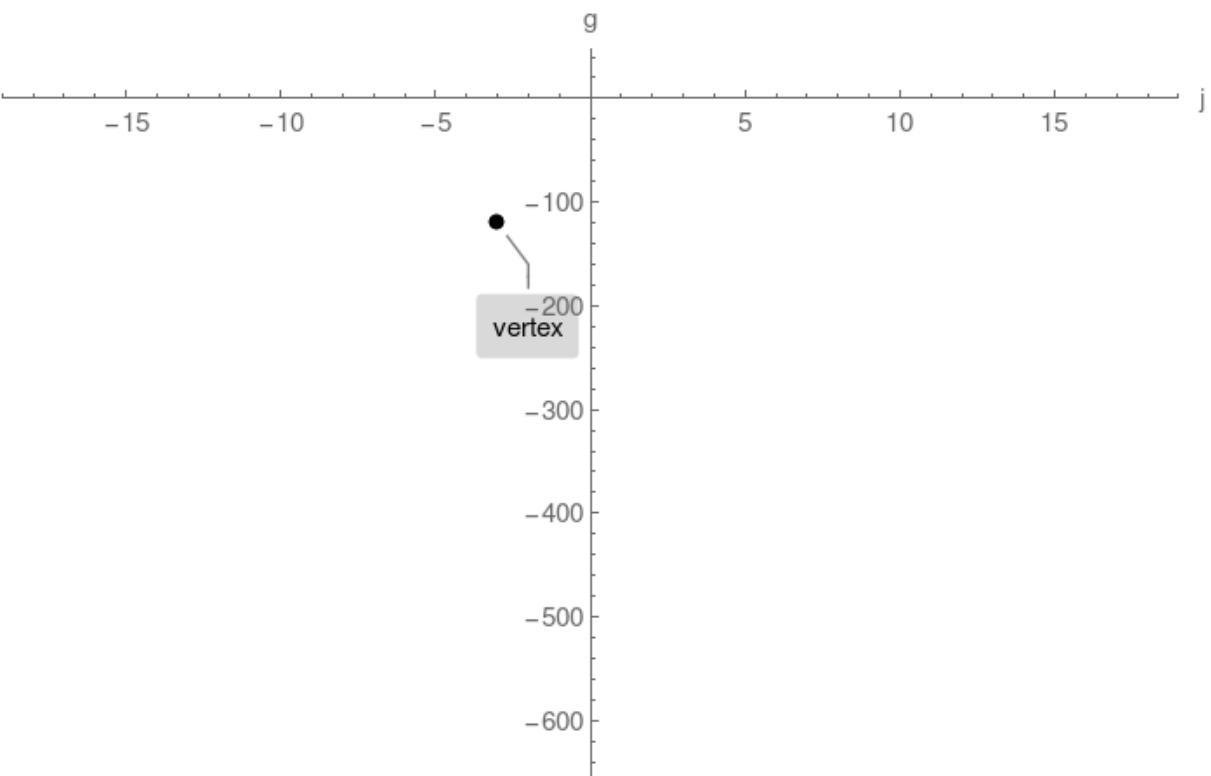# Example 2. No horizontal intercepts found

Plot $g(j) = -j^2 - 6j - 129$

Step 1.
Compute vertex and plot single point:
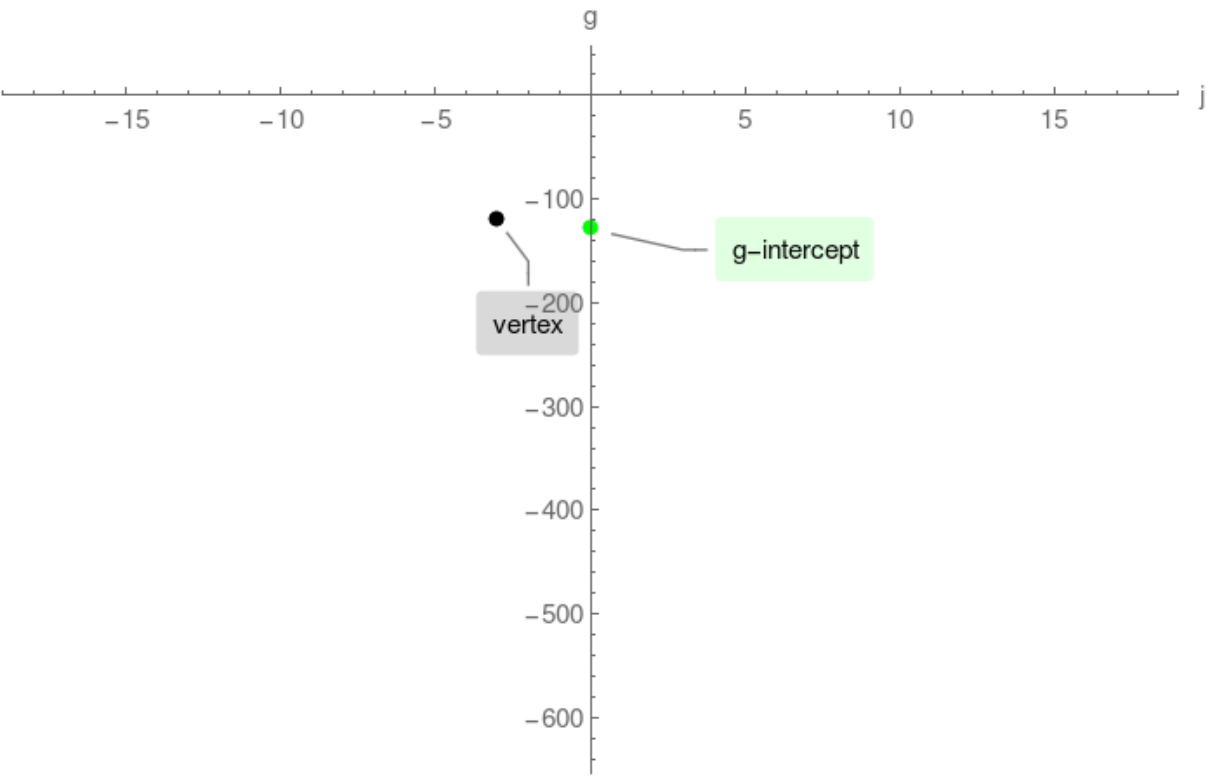vertex$= (-3, -120)$

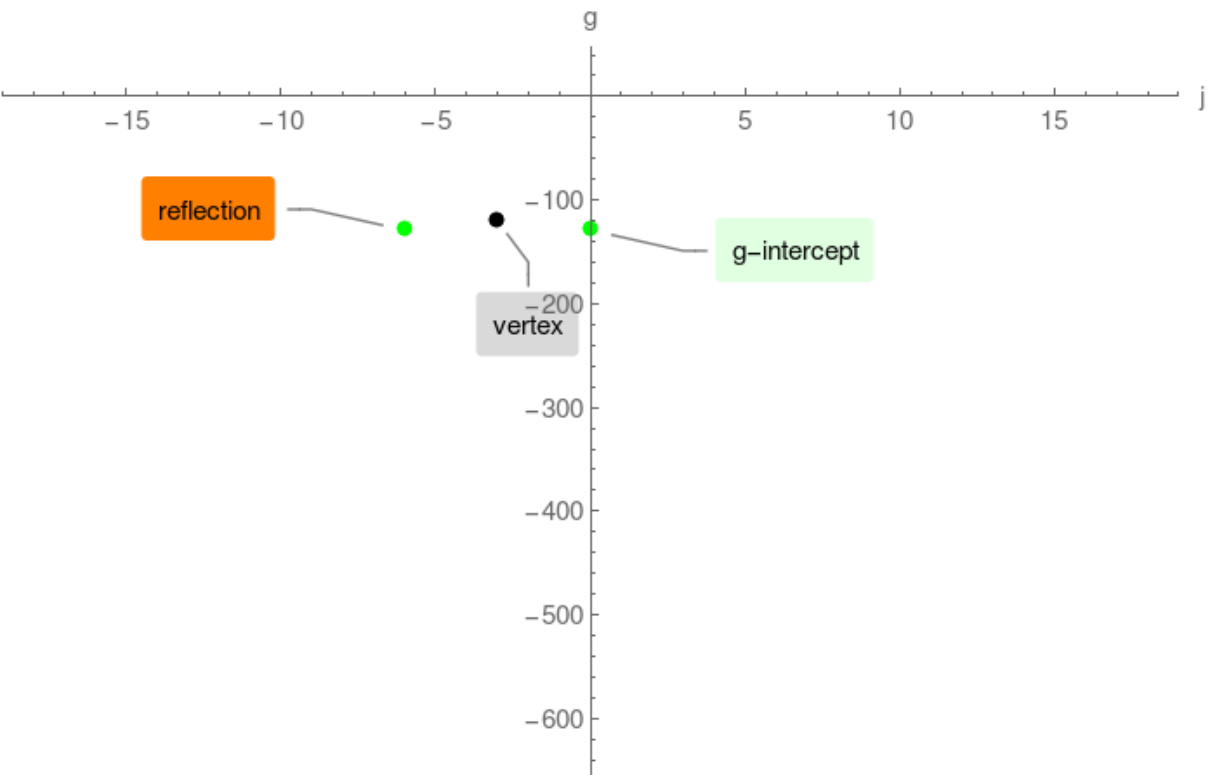**Step 2.**
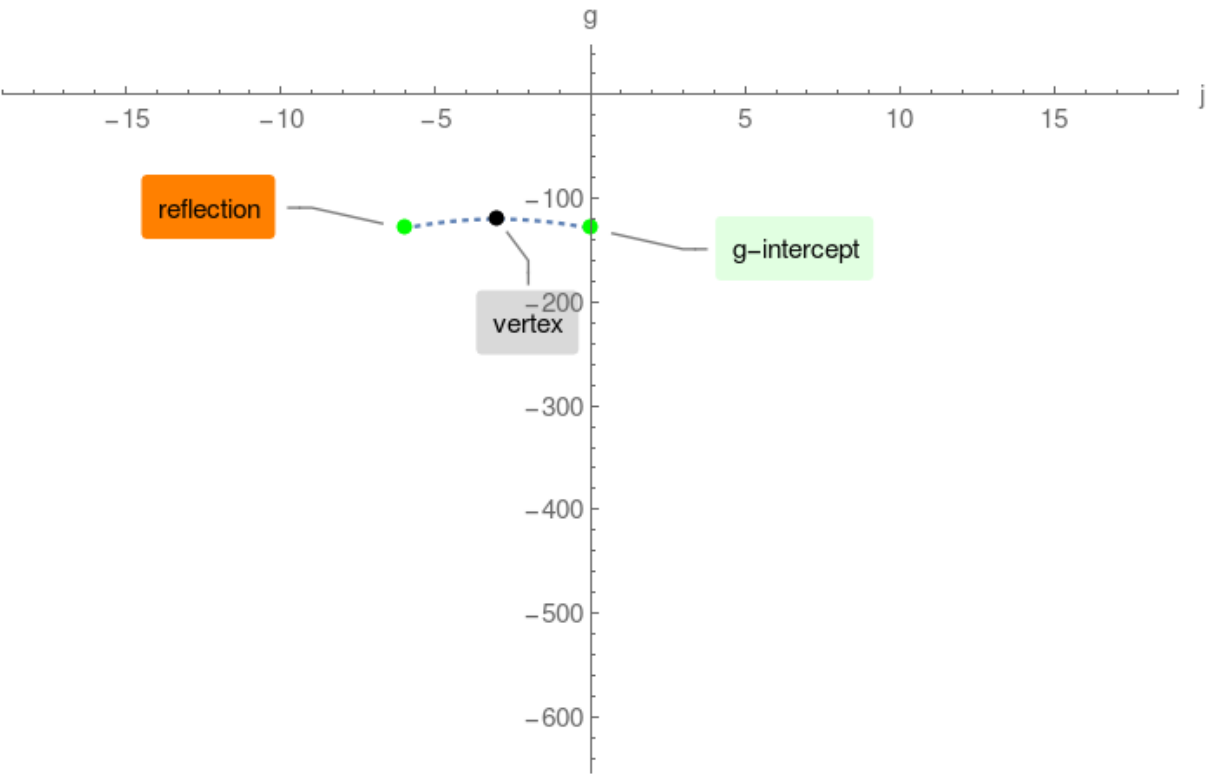Compute g-intercept and plot single point:
g-intercept$= (0, -129)$

Step 3.
Compute g-intercept reflected against vertex,
reflection$= (-6, -129)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts