

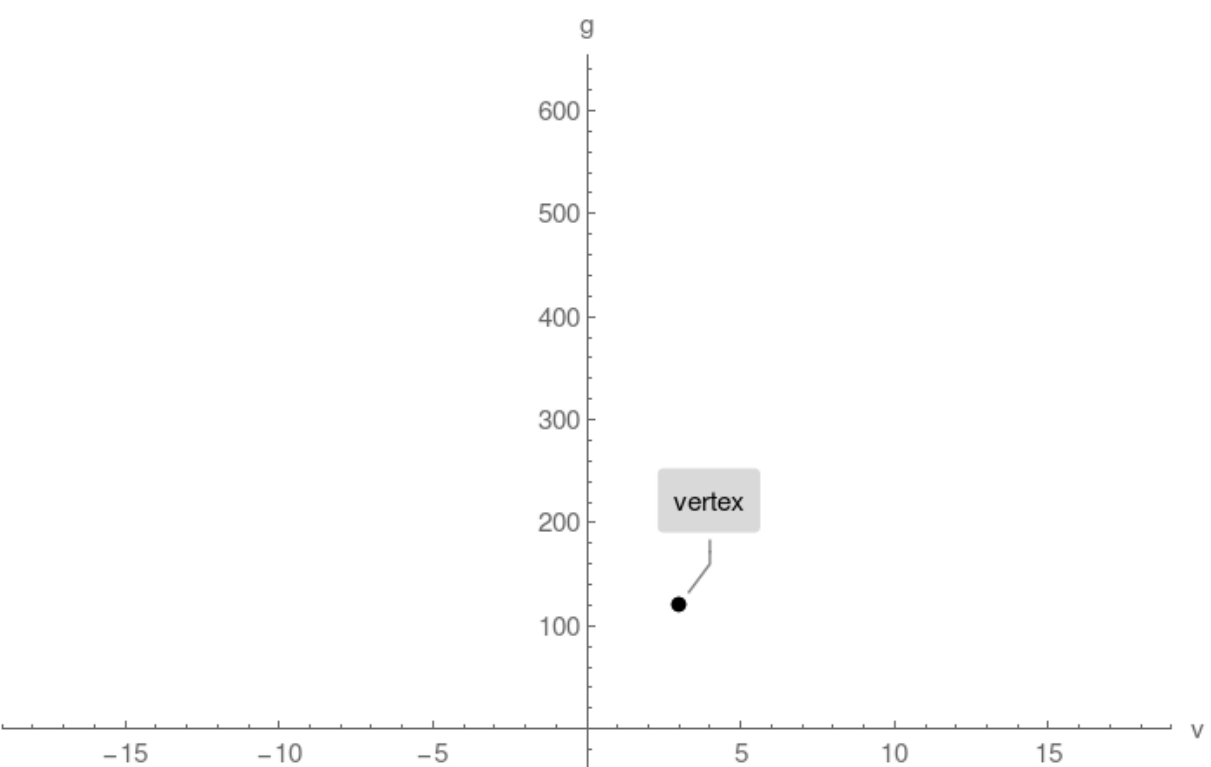
Example 2. No horizontal intercepts found

Plot $g(v) = v^2 - 6v + 129$

Step 1.

Compute vertex and plot single point:

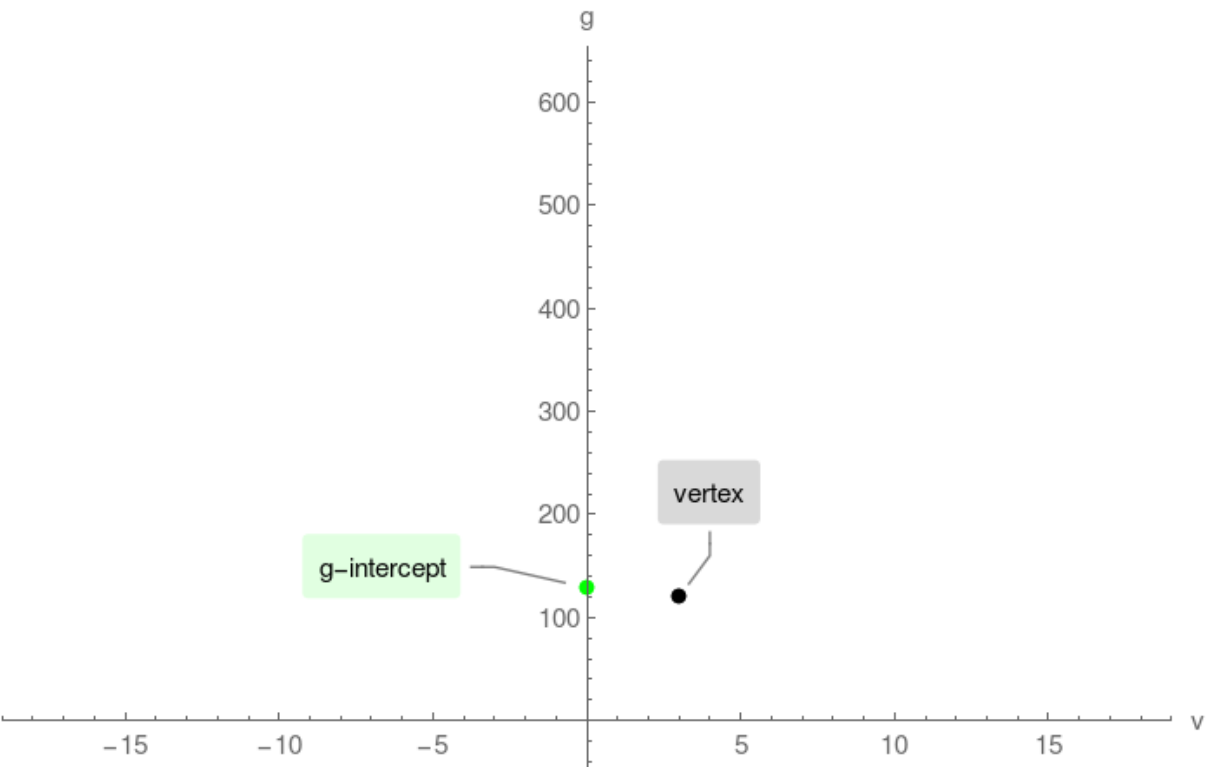
vertex = (3, 120)



Step 2.

Compute g -intercept and plot single point:

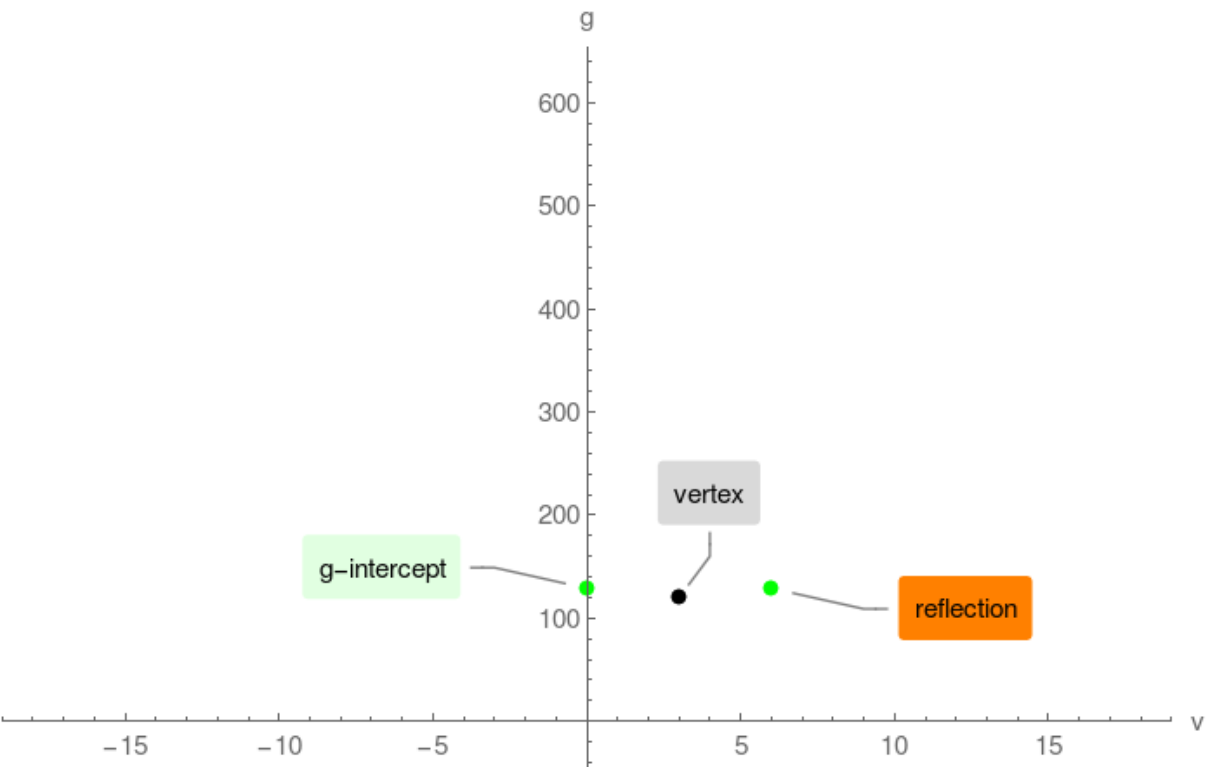
g -intercept = (0, 129)



Step 3.

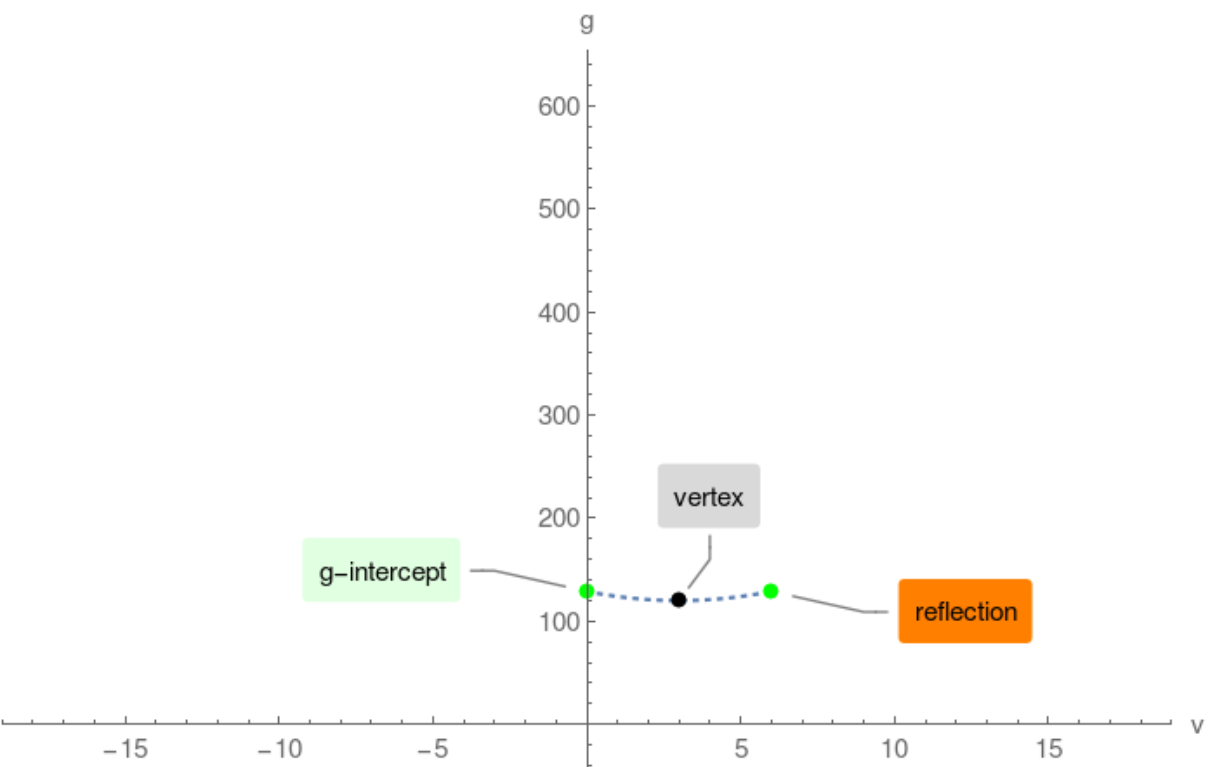
Compute g -intercept reflected against vertex,

reflection = (6, 129)



Step 4.

connect the above computed points:



Step 5.

Extend the parabola beyond the range of intercepts

