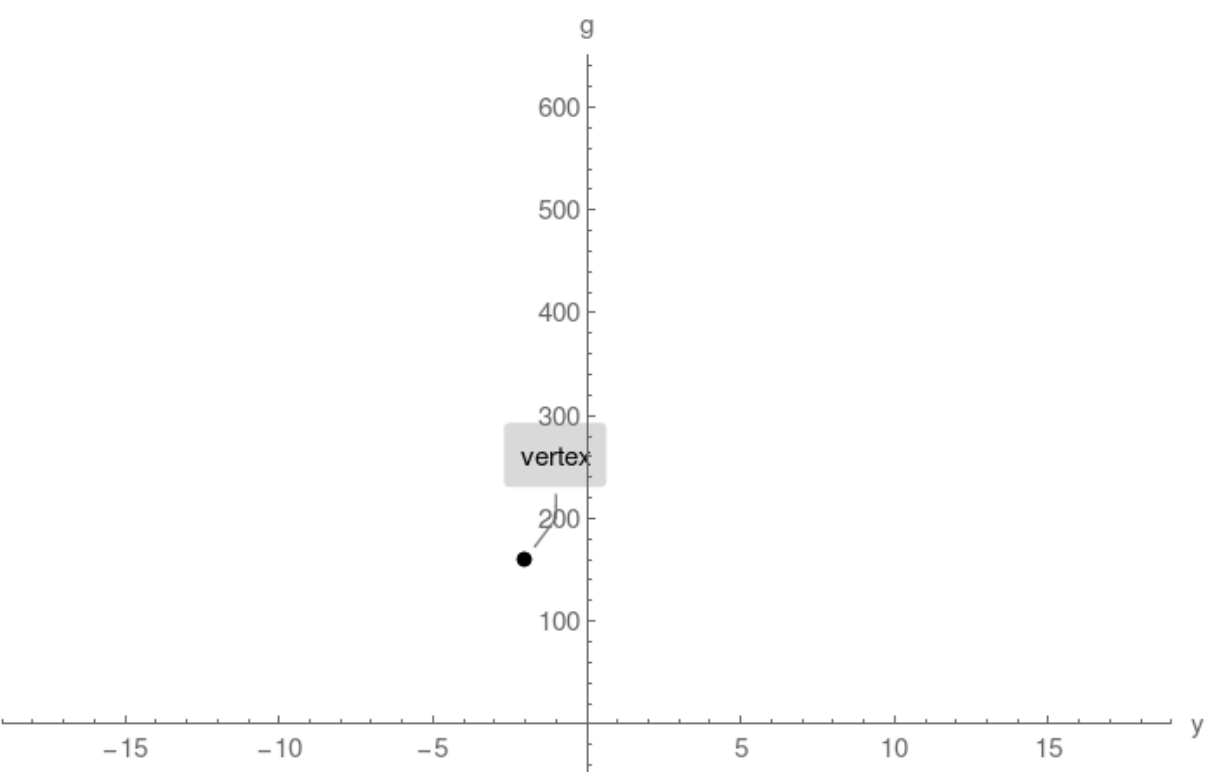# Example 2. No horizontal intercepts found

Plot $g(y) = y^2 + 4y + 164$

Step 1.
Compute vertex and plot single point:
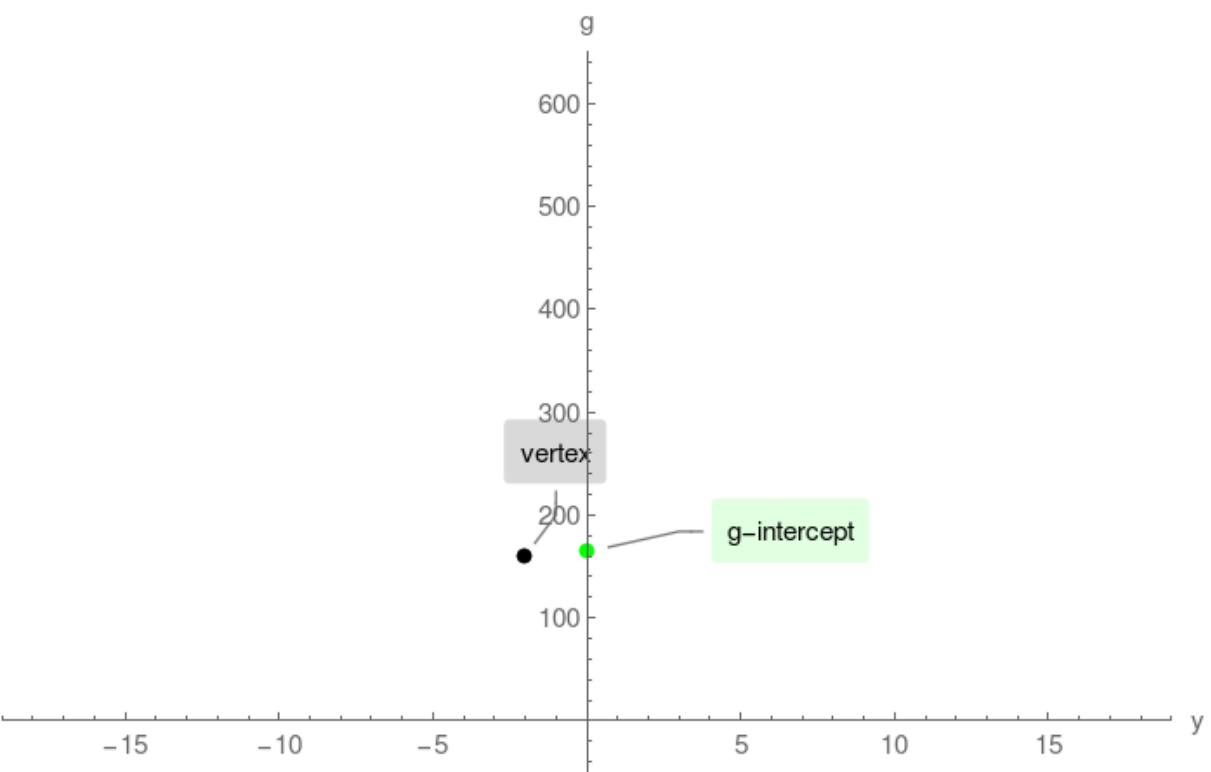vertex = $(-2, 160)$

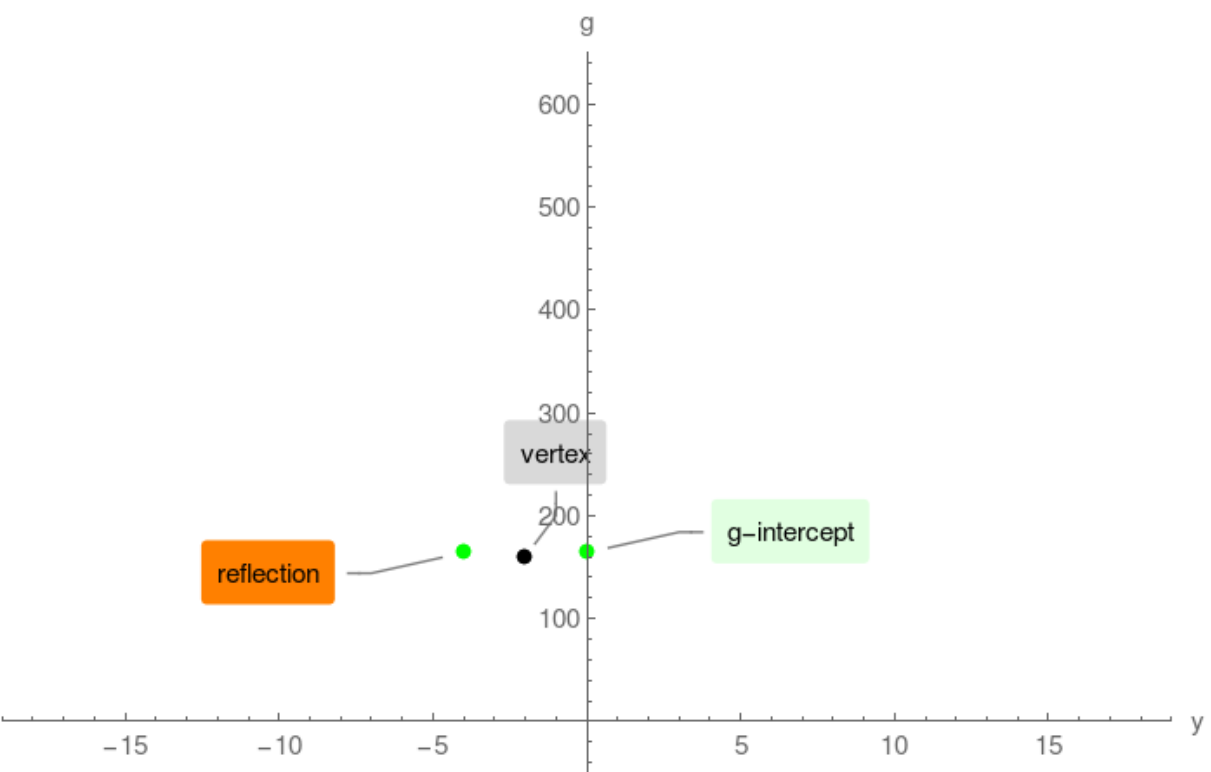**Step 2.**
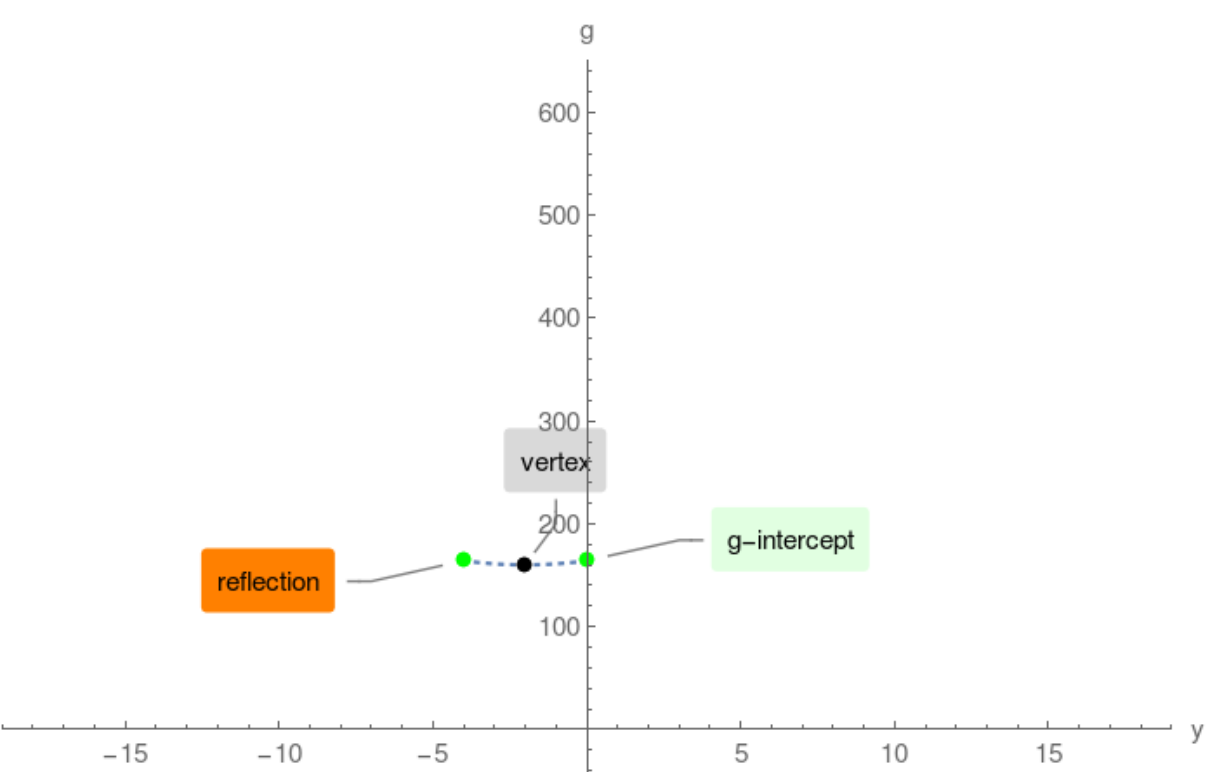Compute g-intercept and plot single point:
g-intercept = $(0, 164)$

Step 3.
Compute g-intercept reflected against vertex,
reflection = $(-4, 164)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts