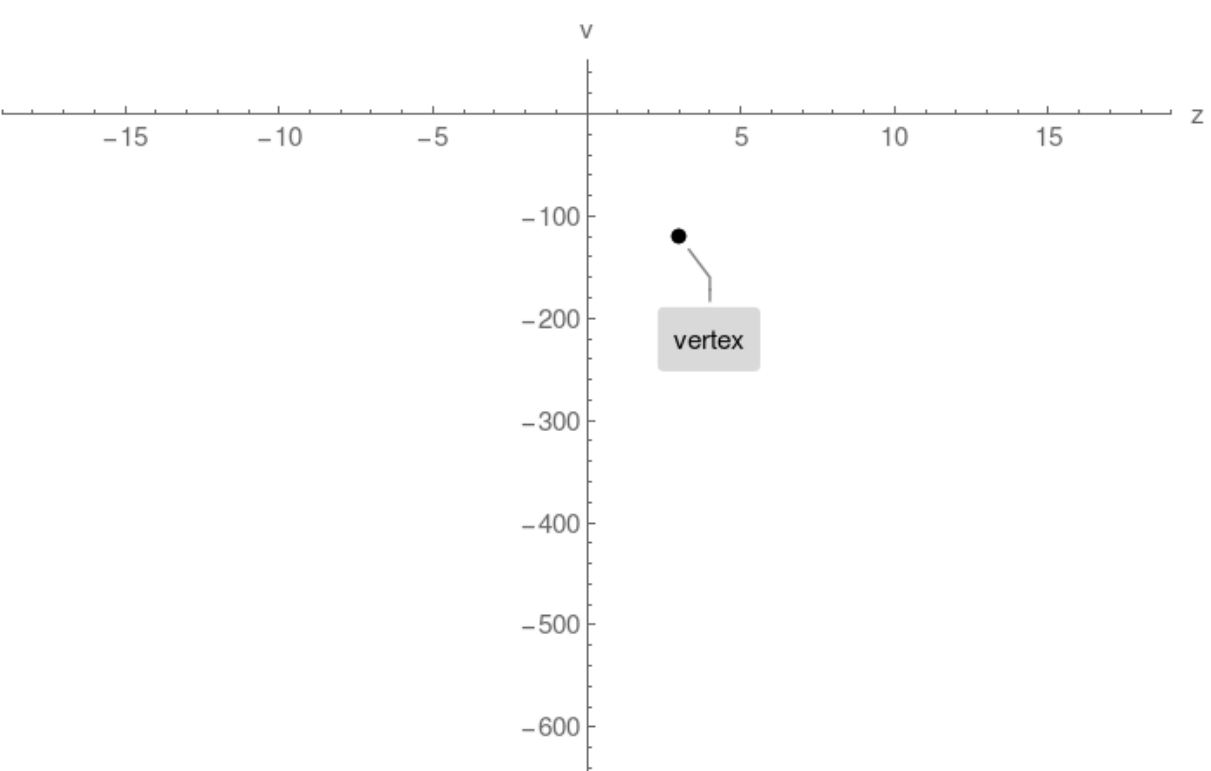# Example 2. No horizontal intercepts found

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

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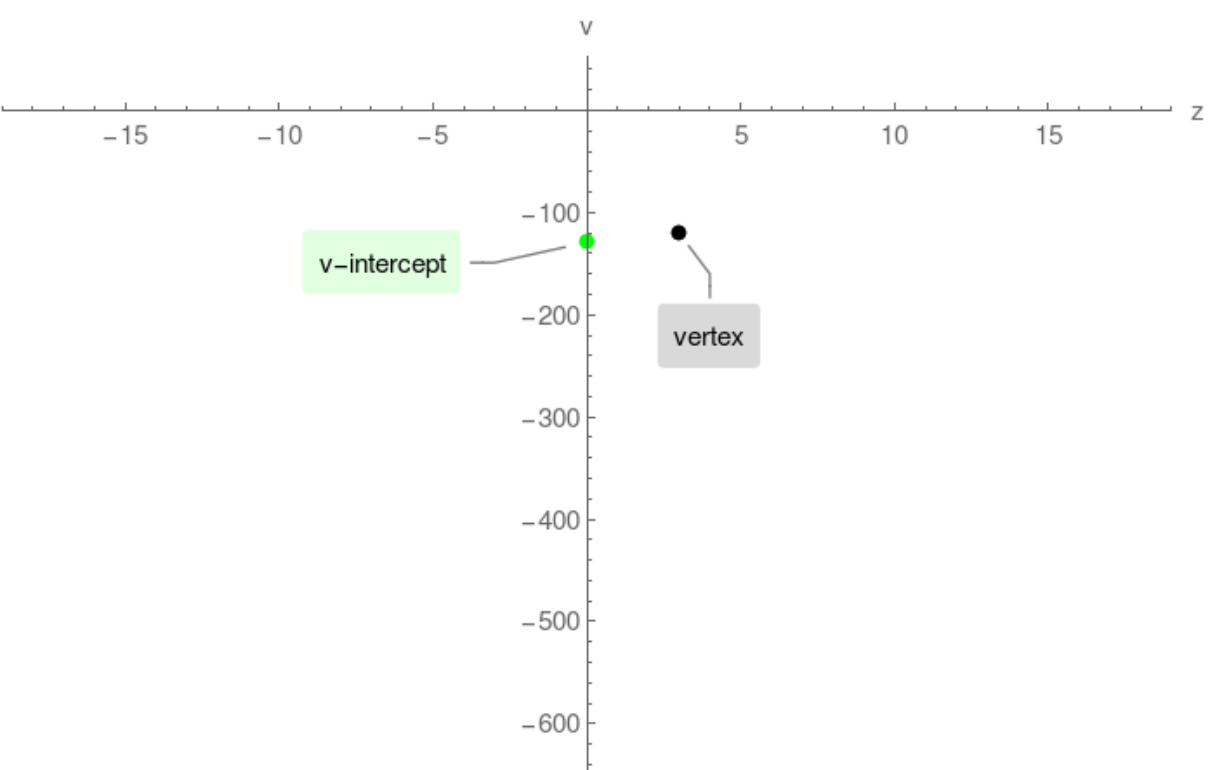vertex = $(3, -120)$

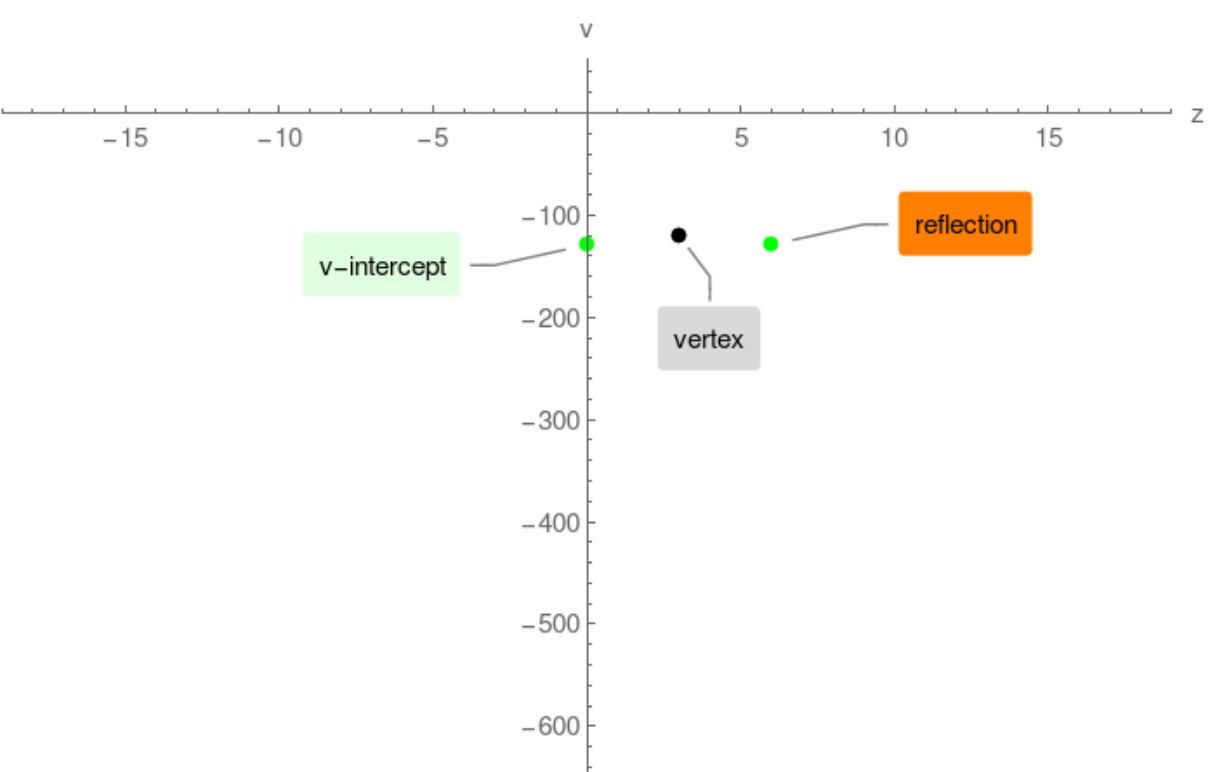## Step 2.
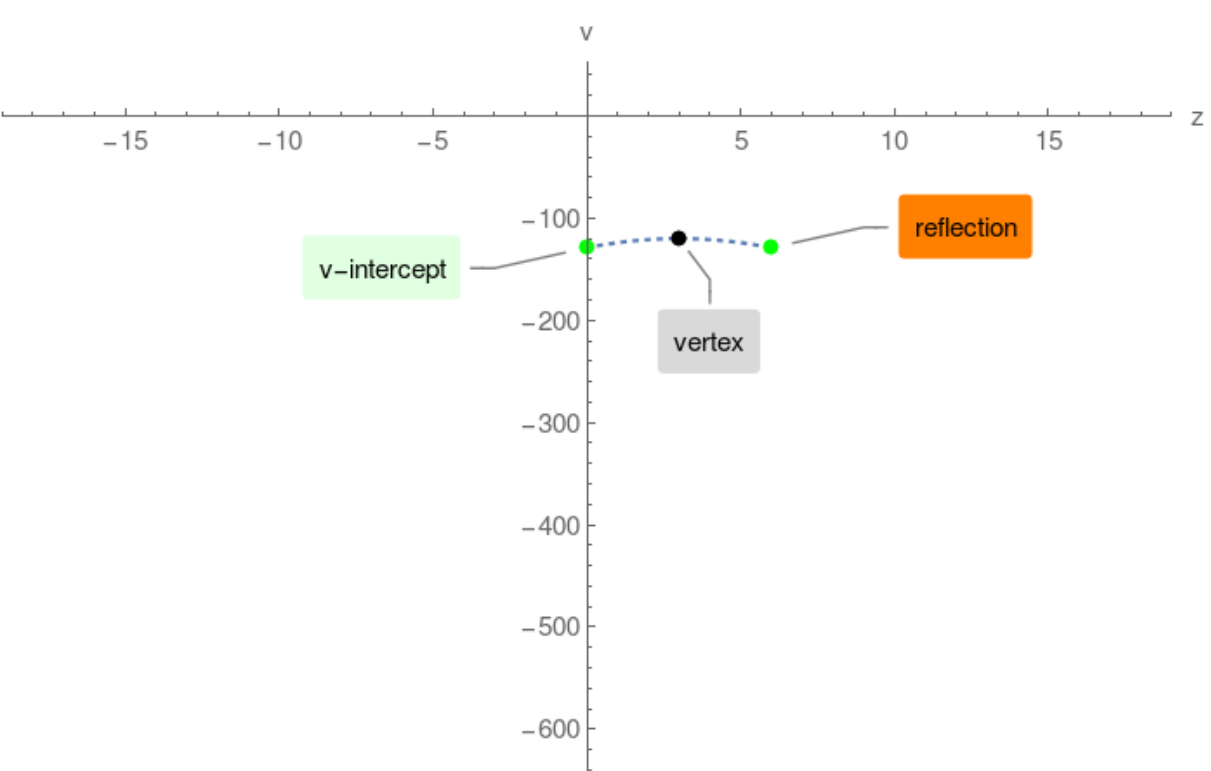Compute v-intercept and plot single point:
v-intercept = $(0, -129)$

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

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts