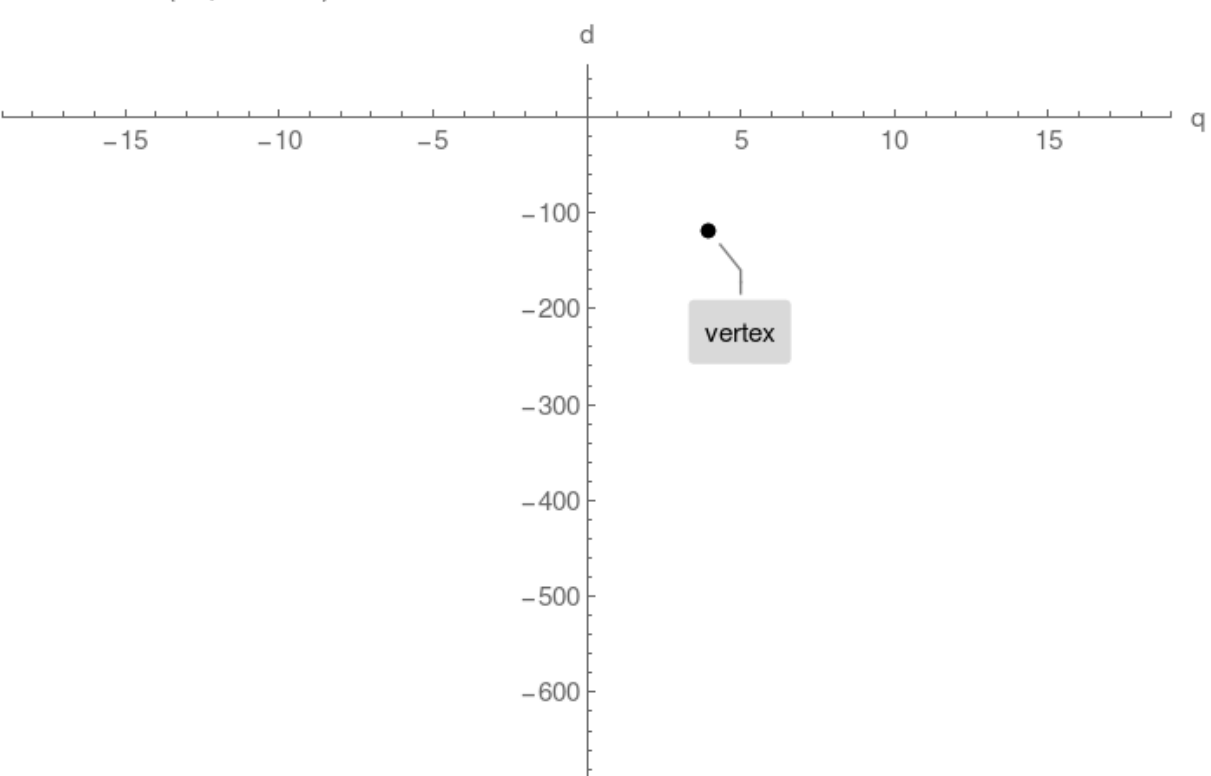# Example 2. No horizontal intercepts found

Plot $d(q) = -q^2 + 8q - 136$

Step 1.
Compute vertex and plot single point:
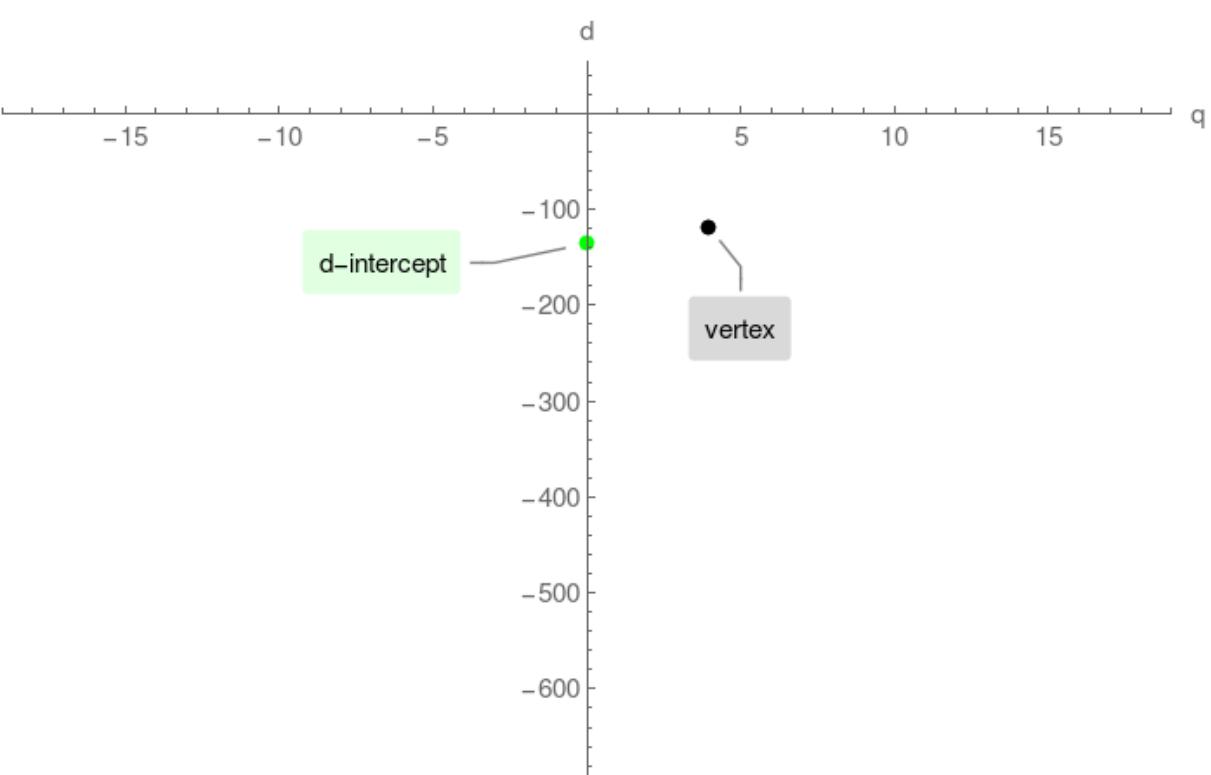vertex = $(4, -120)$

Step 2.
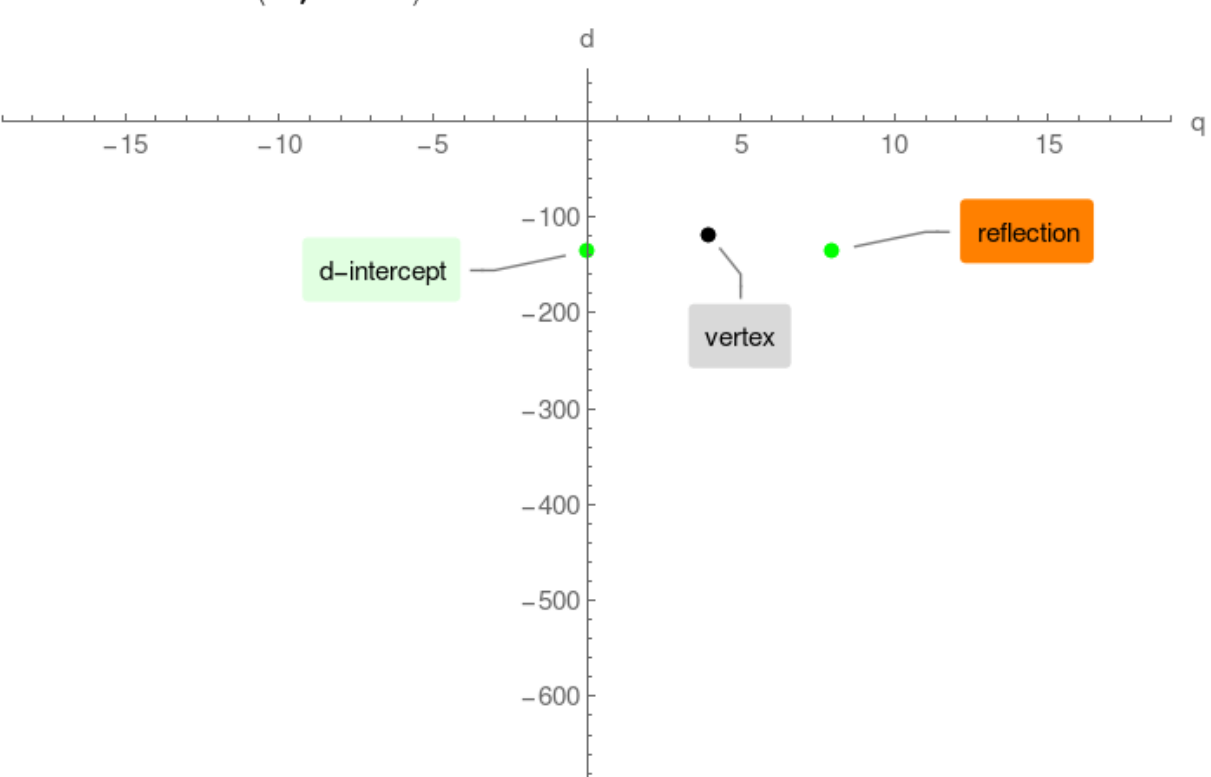Compute d-intercept and plot single point:
d-intercept = $(0, -136)$

Step 3.
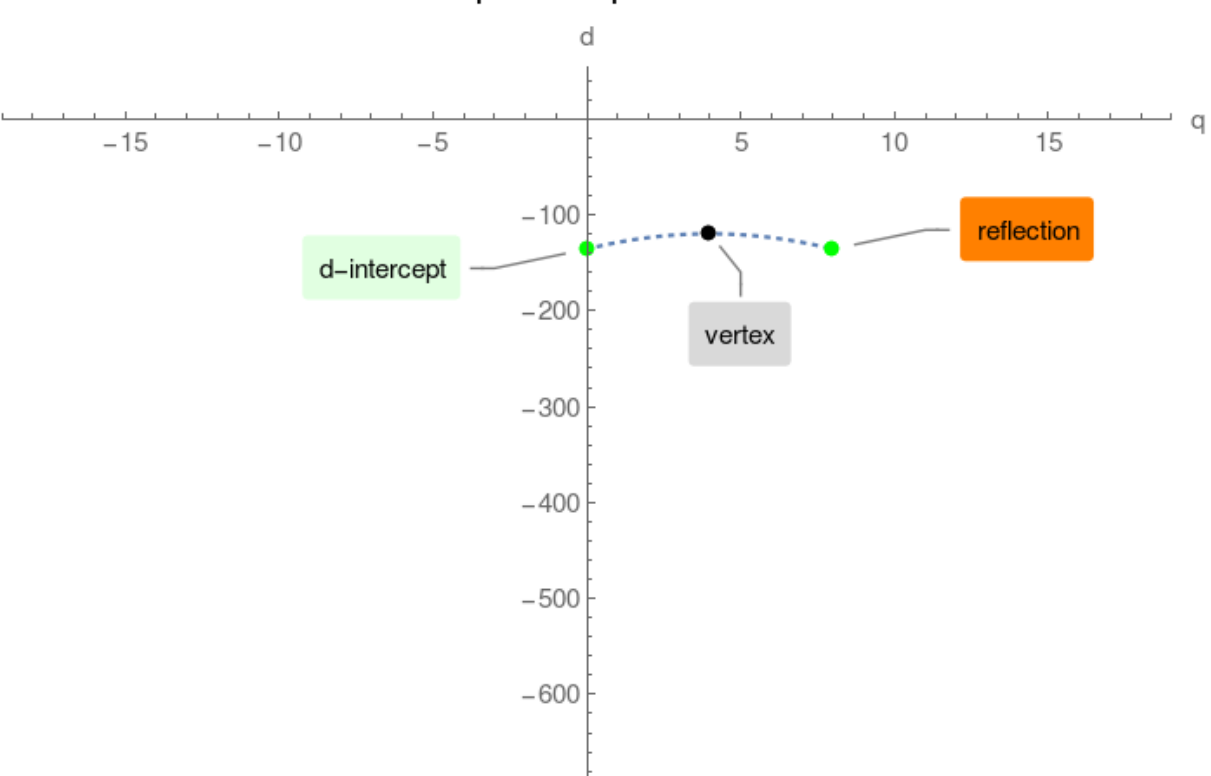Compute d-intercept reflected against vertex,
reflection = $(8, -136)$

Step 4.
connect the above computed points:

Step 5.
Extend the parabola beyond the range of intercepts