

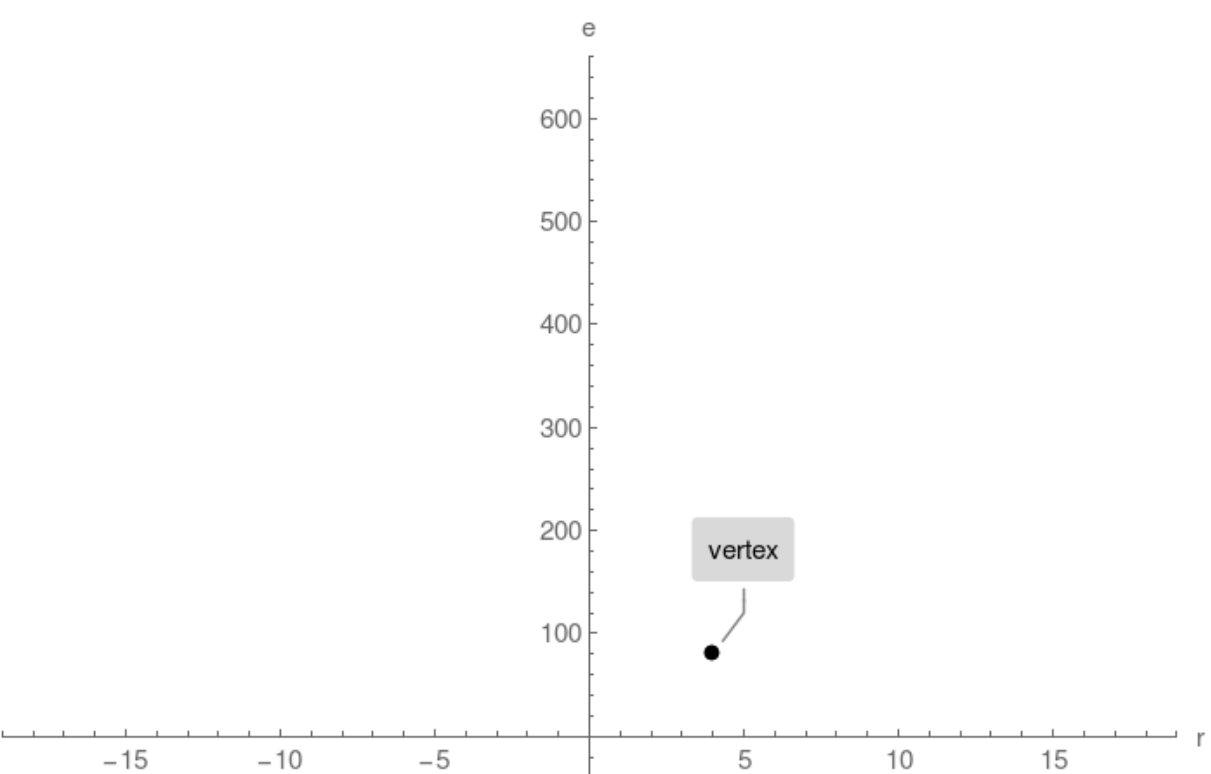
Example 2. No horizontal intercepts found

Plot $e(r) = r^2 - 8r + 96$

Step 1.

Compute vertex and plot single point:

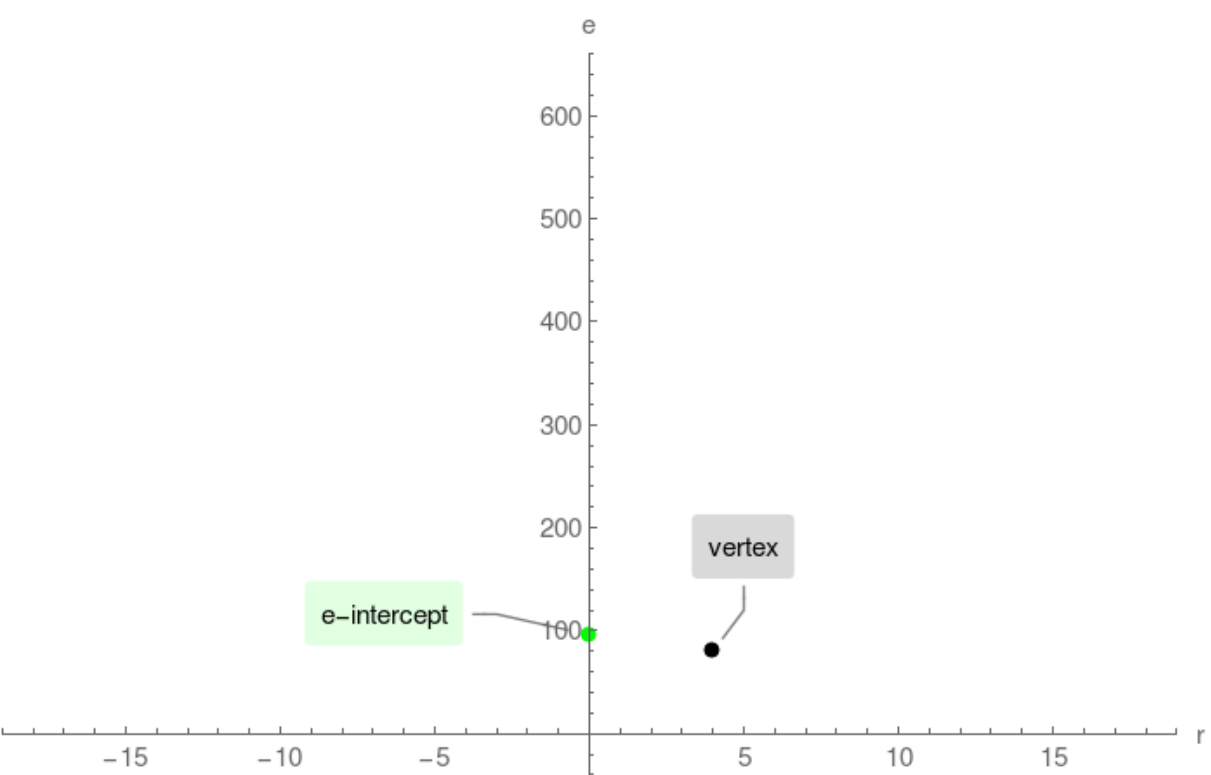
vertex = (4, 80)



Step 2.

Compute e-intercept and plot single point:

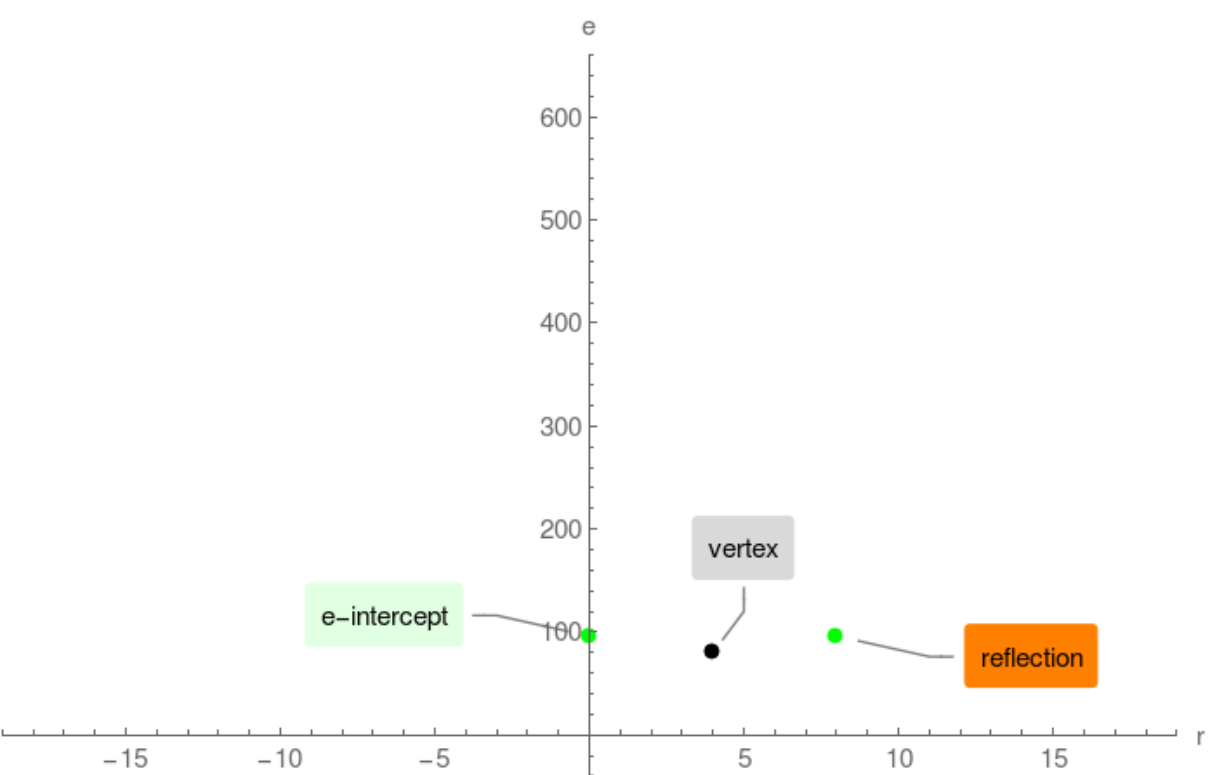
e-intercept = (0, 96)



Step 3.

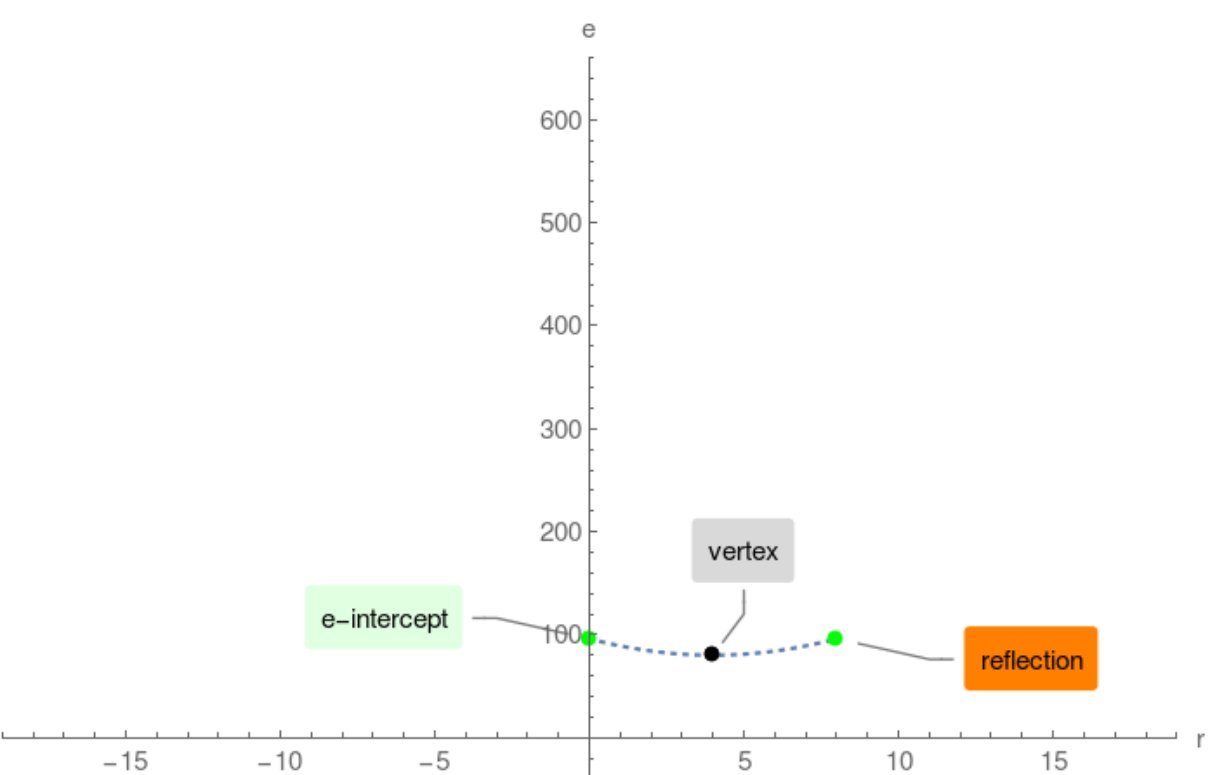
Compute e-intercept reflected against vertex,

reflection = (8, 96)



Step 4.

connect the above computed points:



Step 5.

Extend the parabola beyond the range of intercepts

