

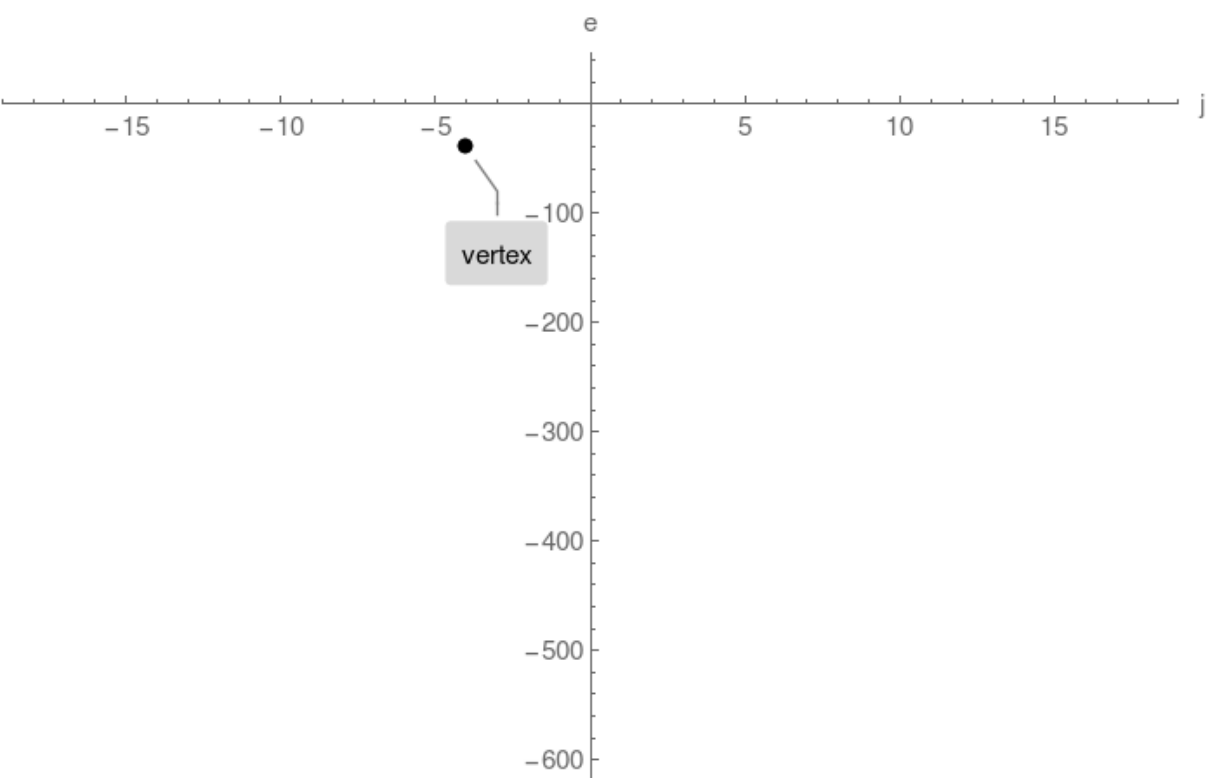
## Example 2. No horizontal intercepts found

Plot  $e(j) = -j^2 - 8j - 56$

### Step 1.

Compute vertex and plot single point:

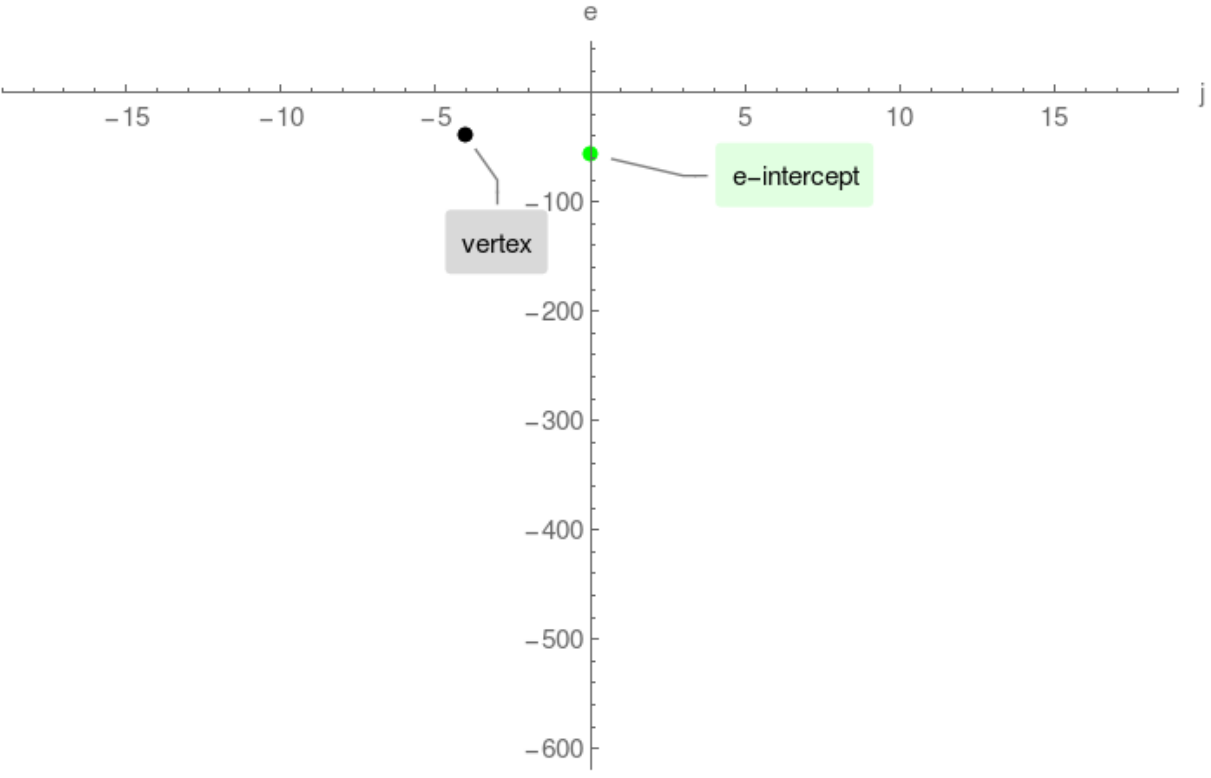
vertex =  $(-4, -40)$



### Step 2.

Compute e-intercept and plot single point:

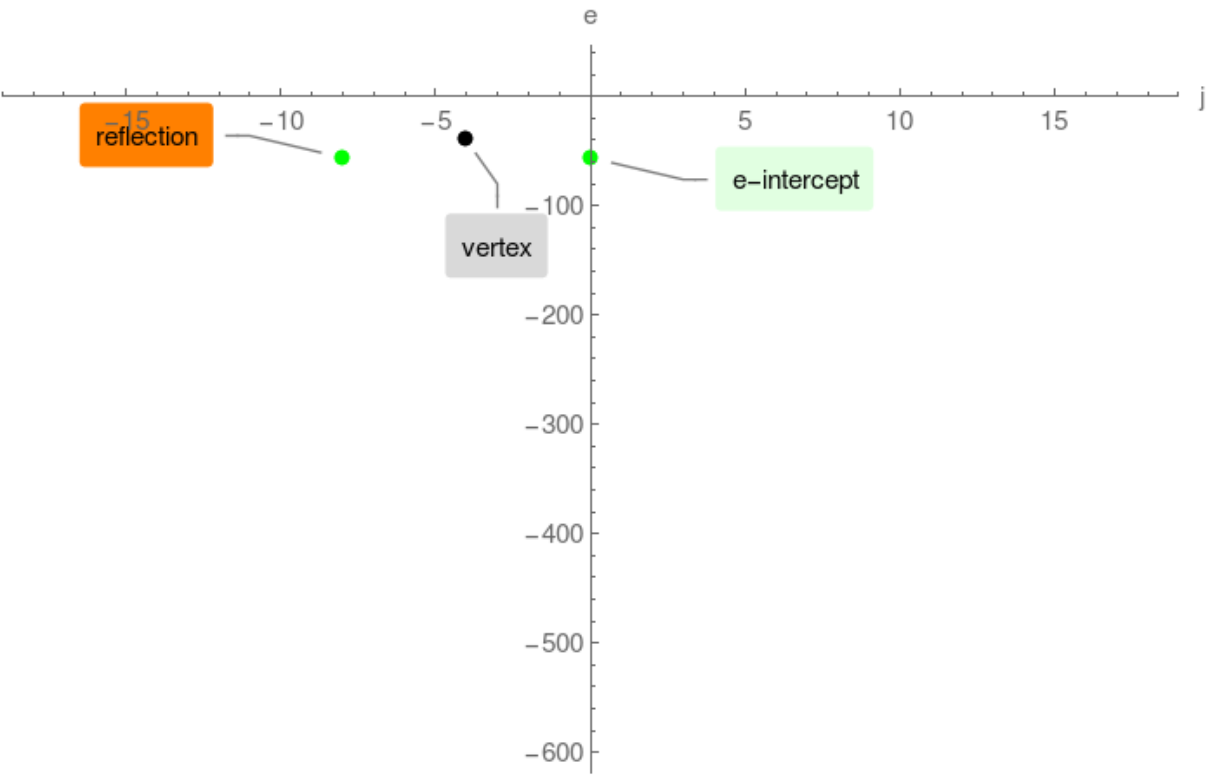
e-intercept =  $(0, -56)$



### Step 3.

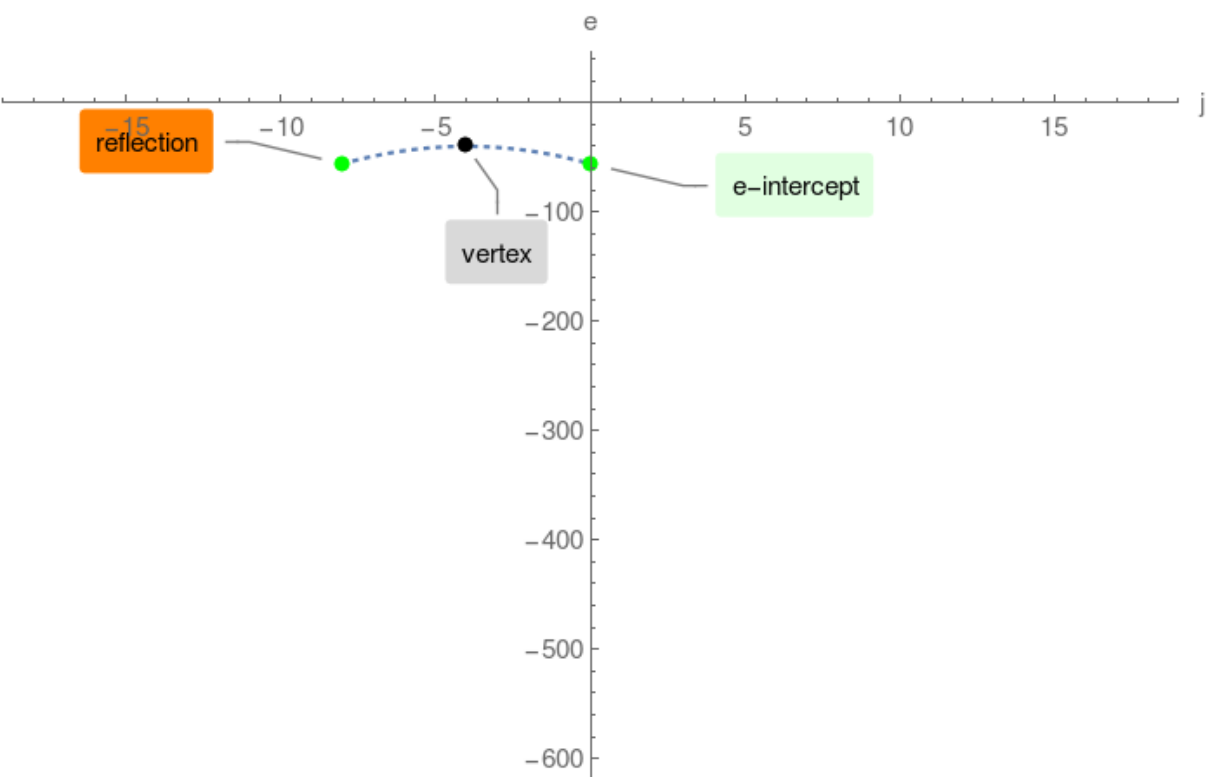
Compute e-intercept reflected against vertex,

reflection =  $(-8, -56)$



### Step 4.

connect the above computed points:



### Step 5.

Extend the parabola beyond the range of intercepts

