

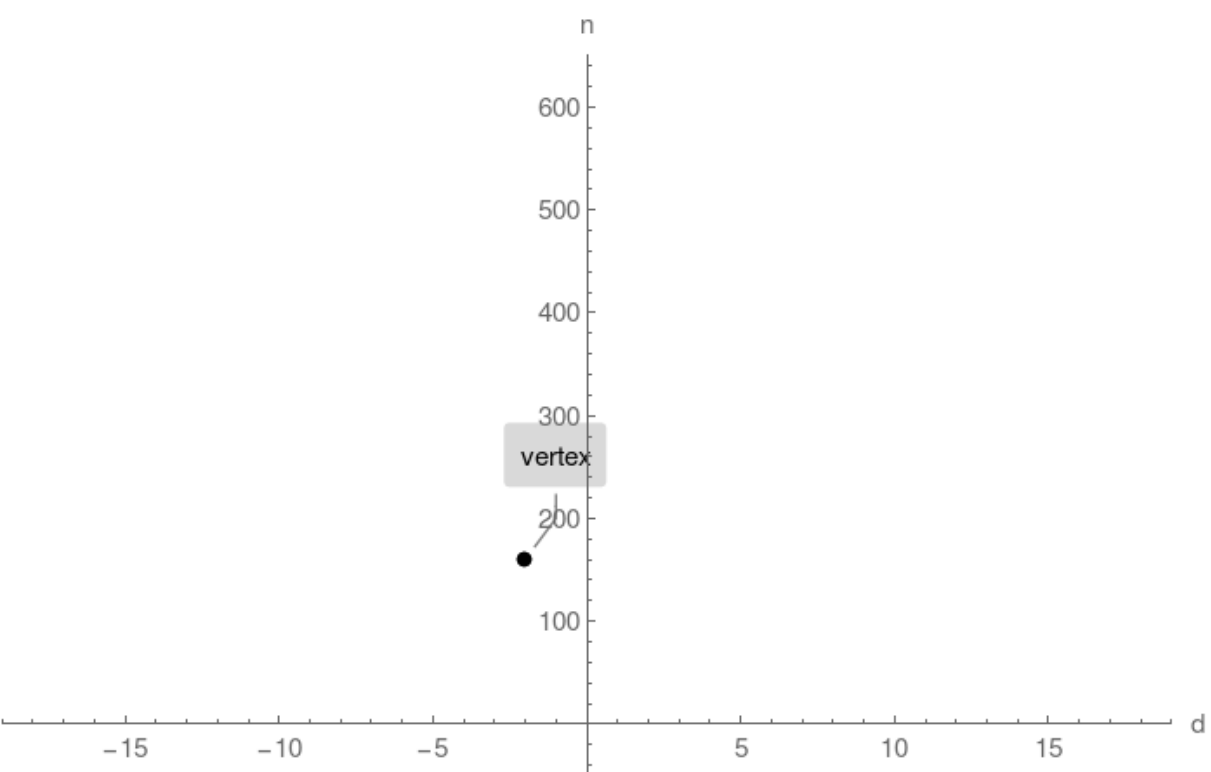
## Example 2. No horizontal intercepts found

Plot  $n(d) = d^2 + 4d + 164$

### Step 1.

Compute vertex and plot single point:

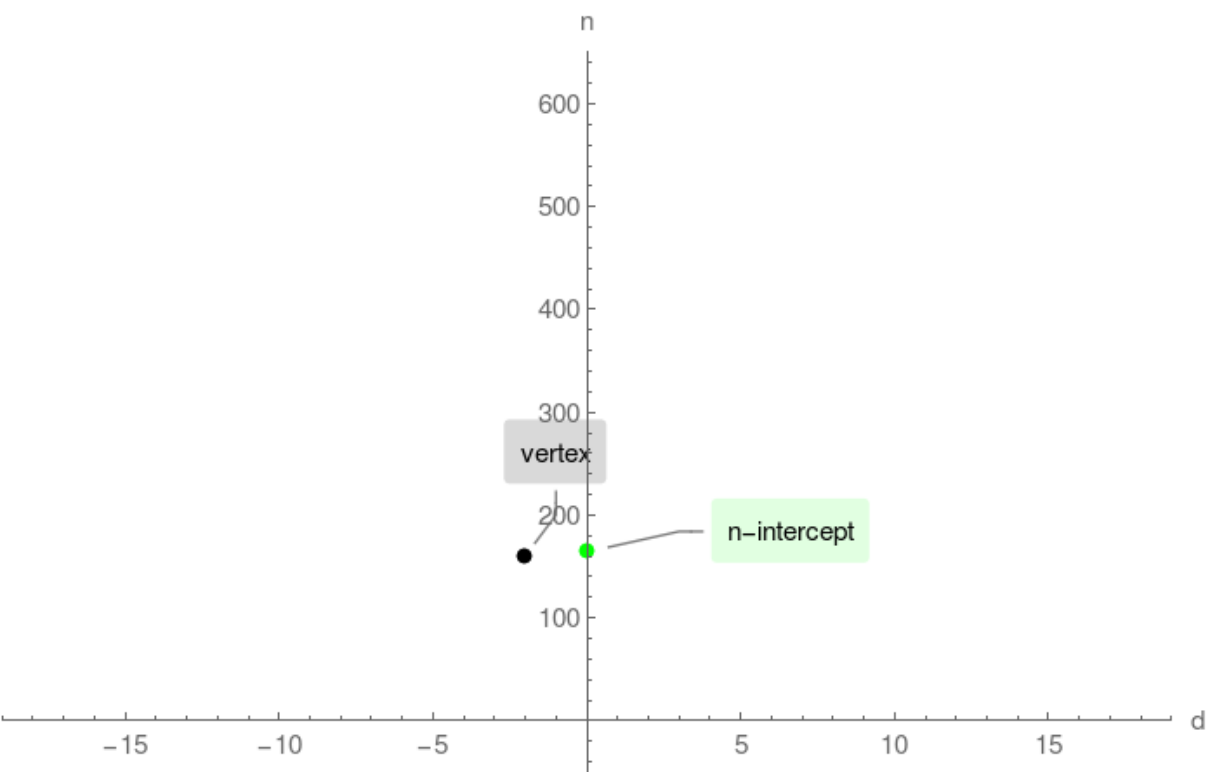
vertex =  $(-2, 160)$



### Step 2.

Compute n-intercept and plot single point:

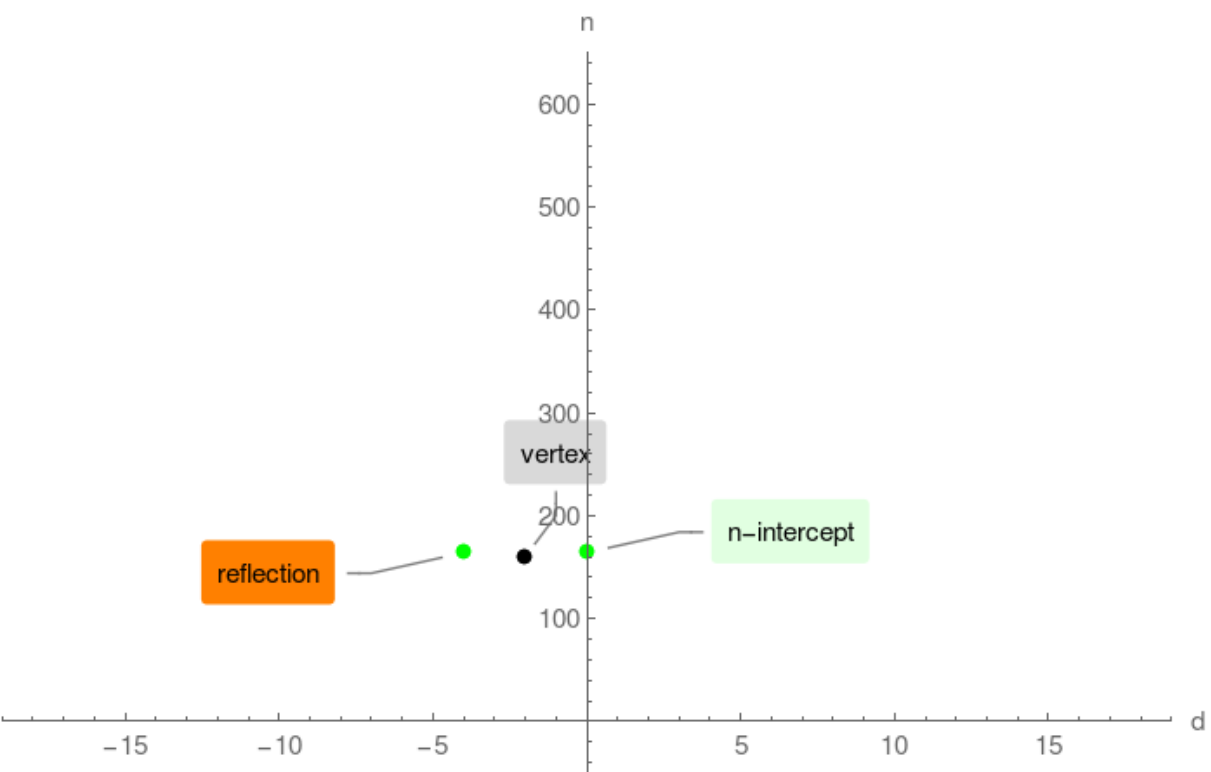
n-intercept =  $(0, 164)$



### Step 3.

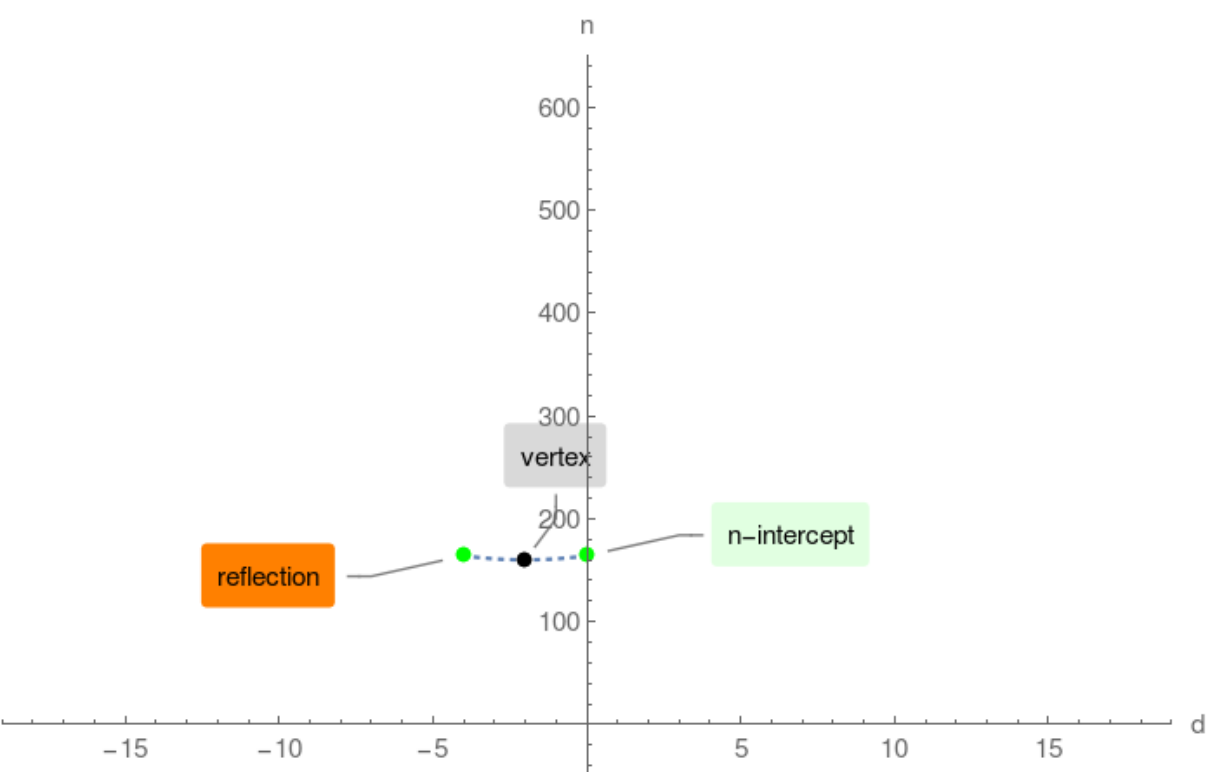
Compute n-intercept reflected against vertex,

reflection =  $(-4, 164)$



### Step 4.

connect the above computed points:



### Step 5.

Extend the parabola beyond the range of intercepts

