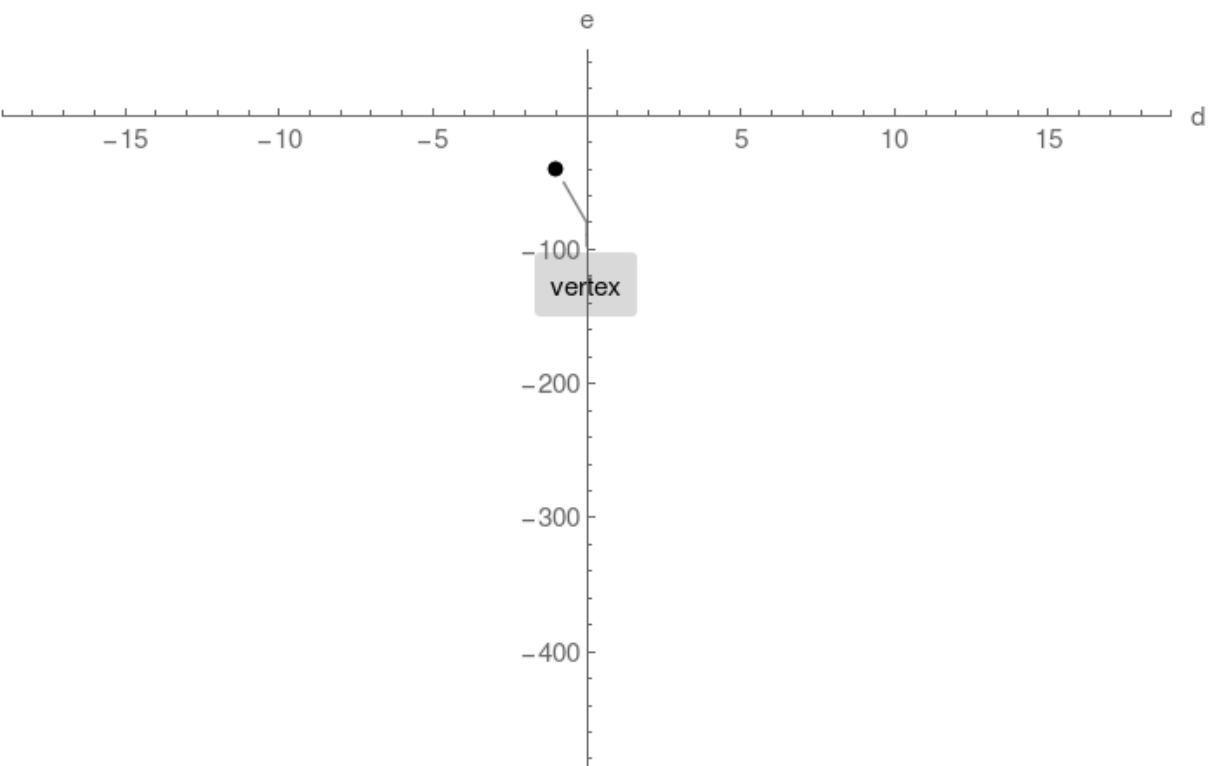# Example 2. No horizontal intercepts found

Plot $e(d) = -d^2 - 2d - 41$

Step 1.

Compute vertex and plot single point:
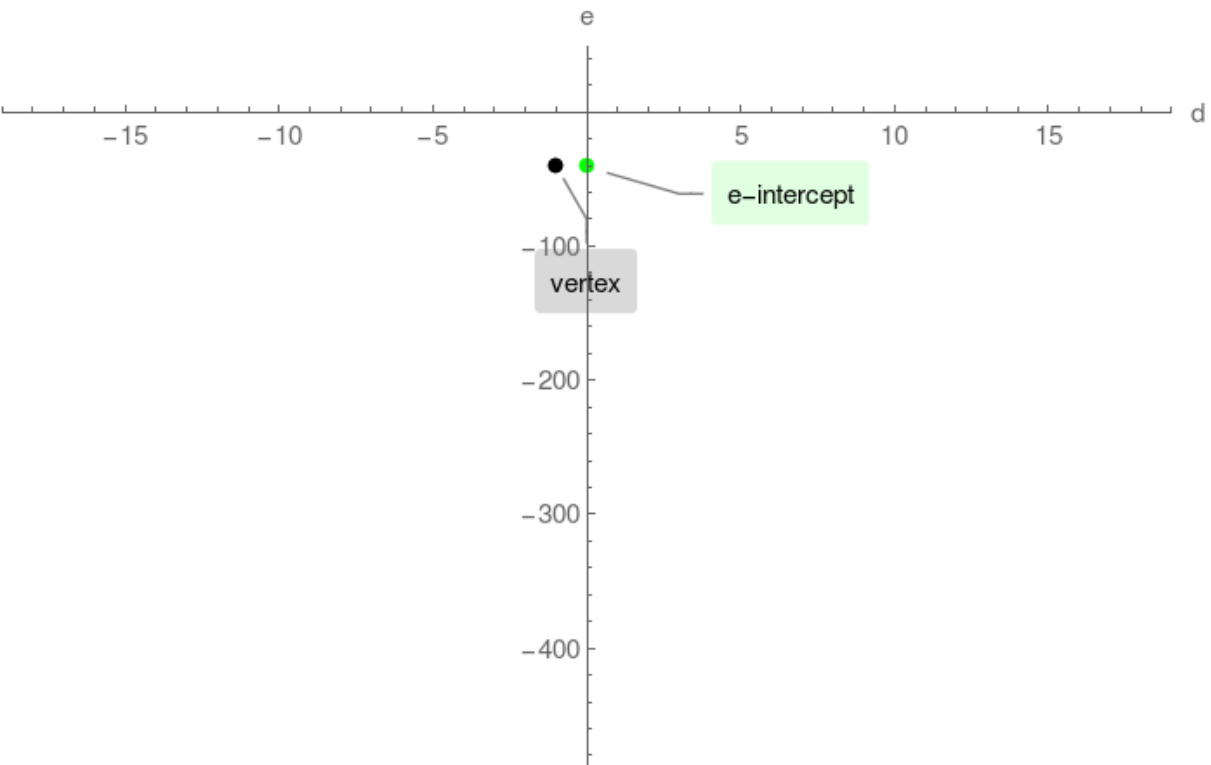vertex = $(-1, -40)$

Step 2.

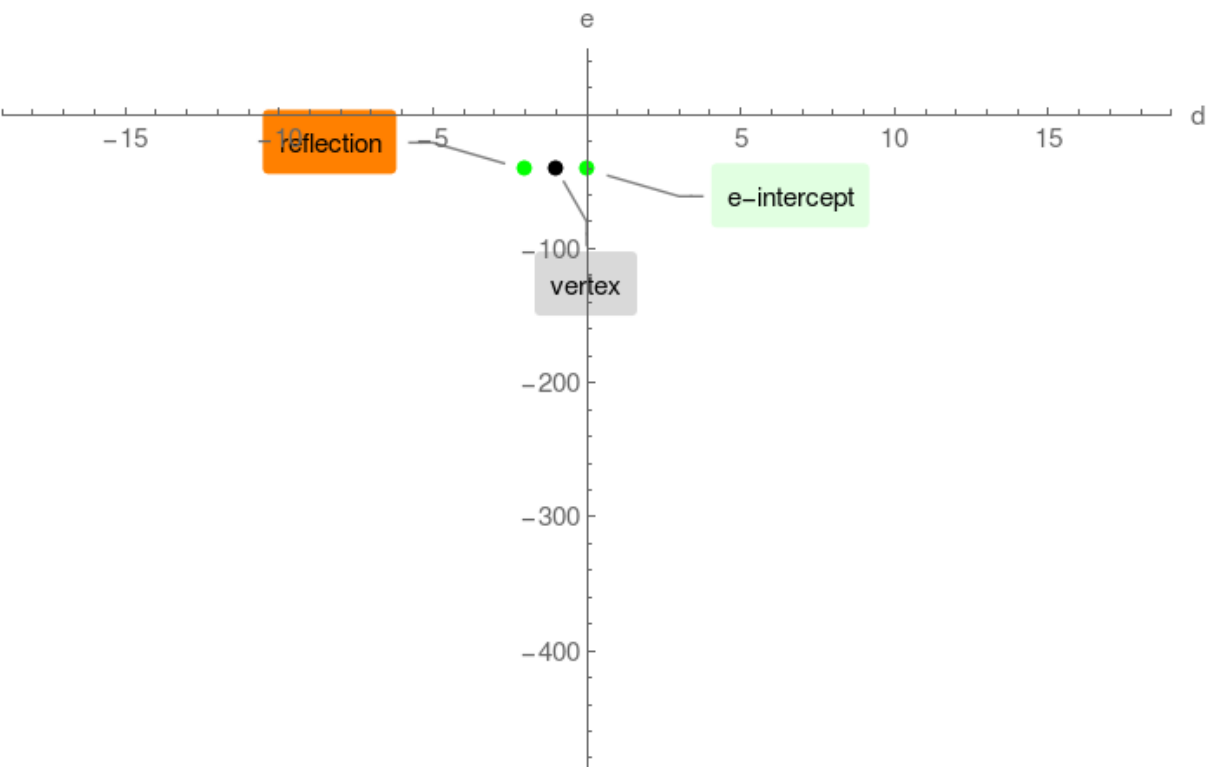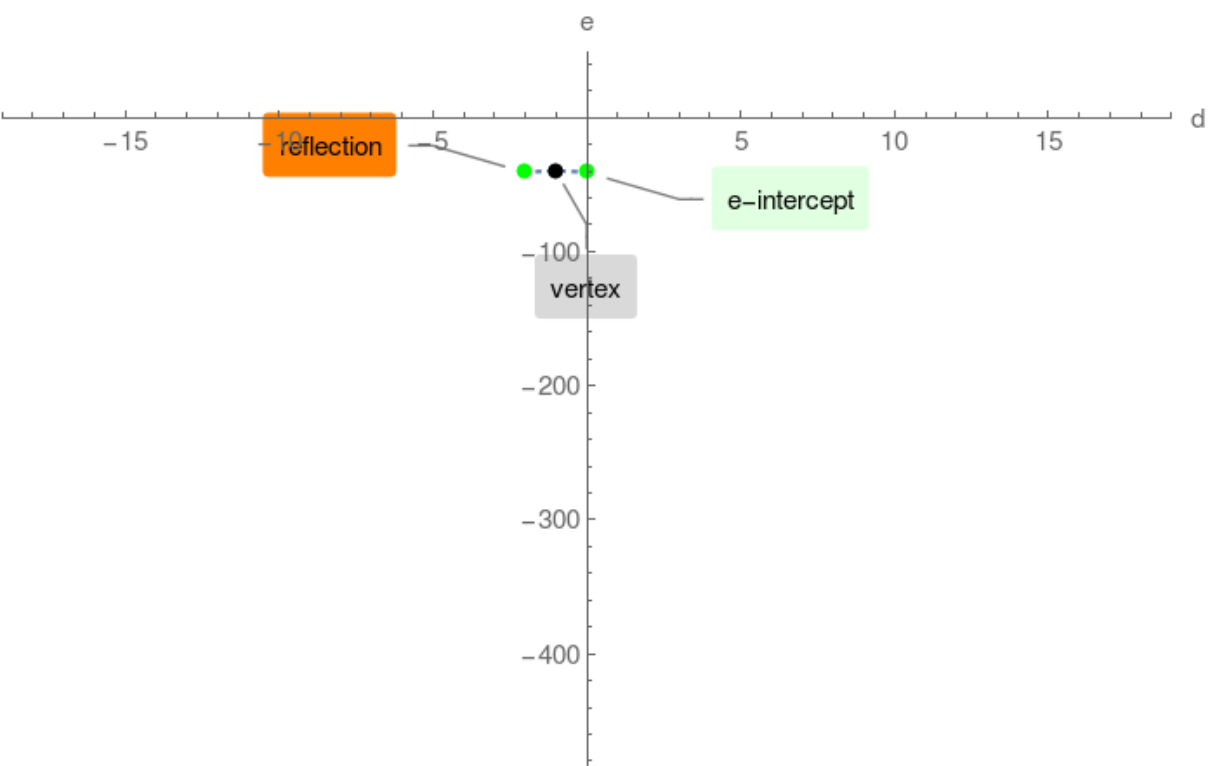Compute e-intercept and plot single point:
e-intercept = $(0, -41)$

Step 3.

Compute e-intercept reflected against vertex,
reflection = $(-2, -41)$

Step 4.

connect the above computed points:

Step 5.

Extend the parabola beyond the range of intercepts