

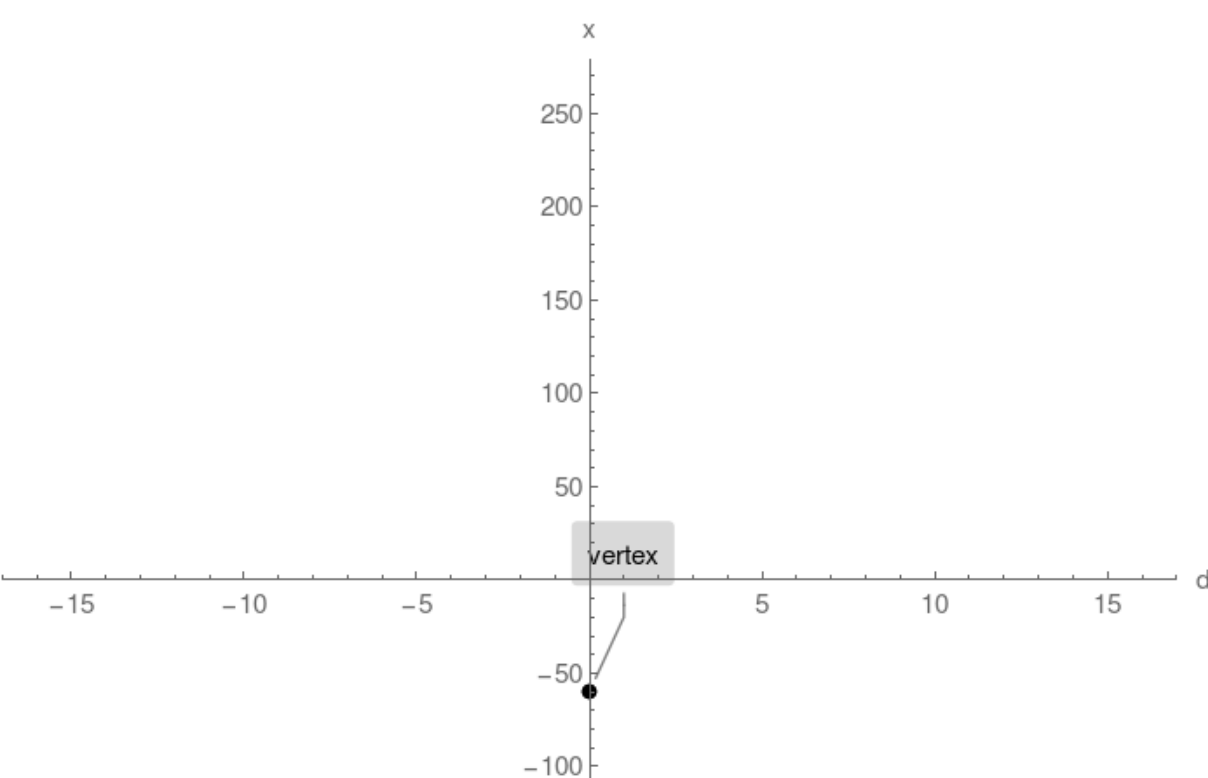
Example 1. 2 horizontal intercepts found

Plot $x(d) = d^2 - 60$

Step 1.

Compute vertex and plot single point:

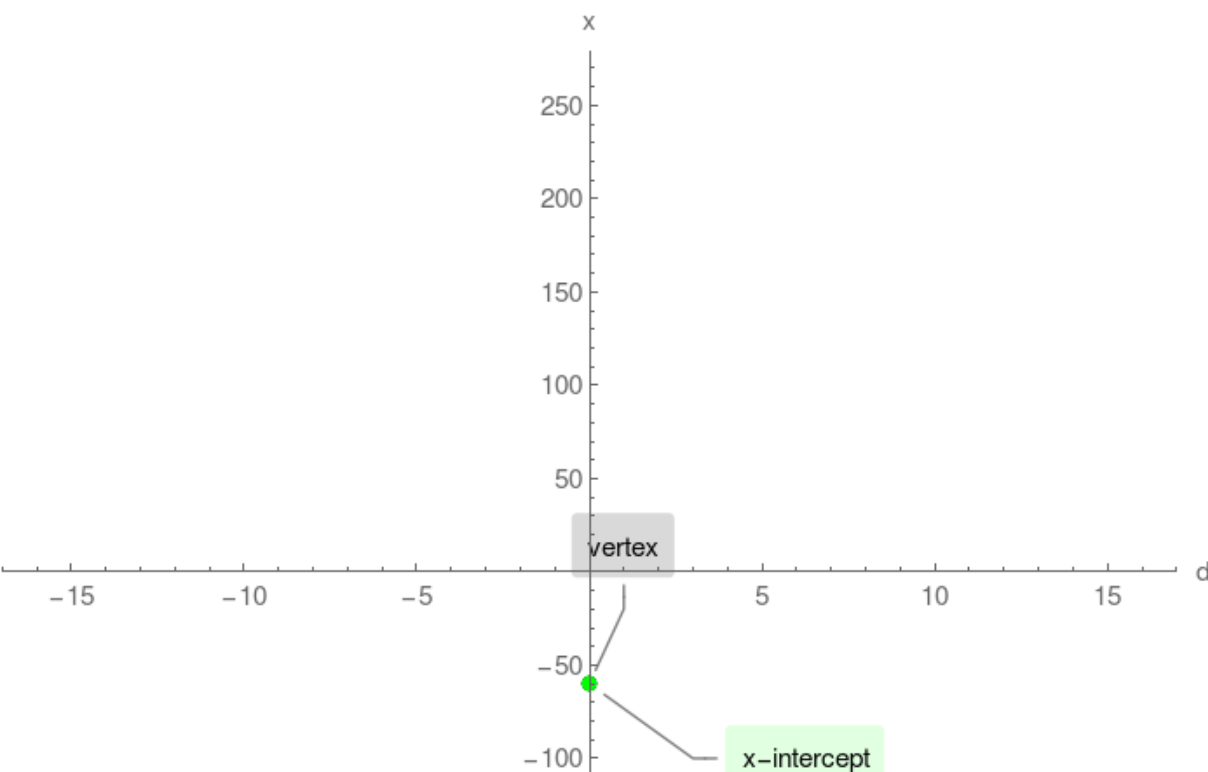
vertex = $(0, -60)$



Step 2.

Compute x-intercept and plot single point:

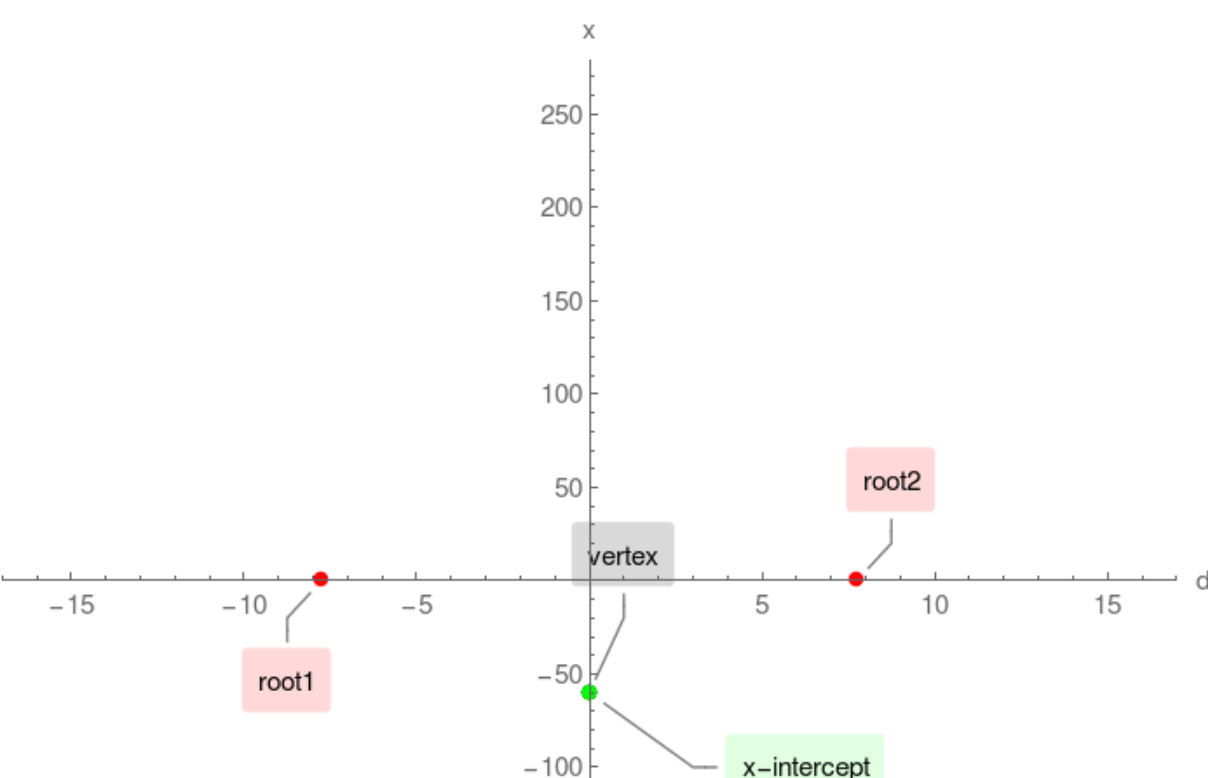
x-intercept = $(0, -60)$



Step 3.

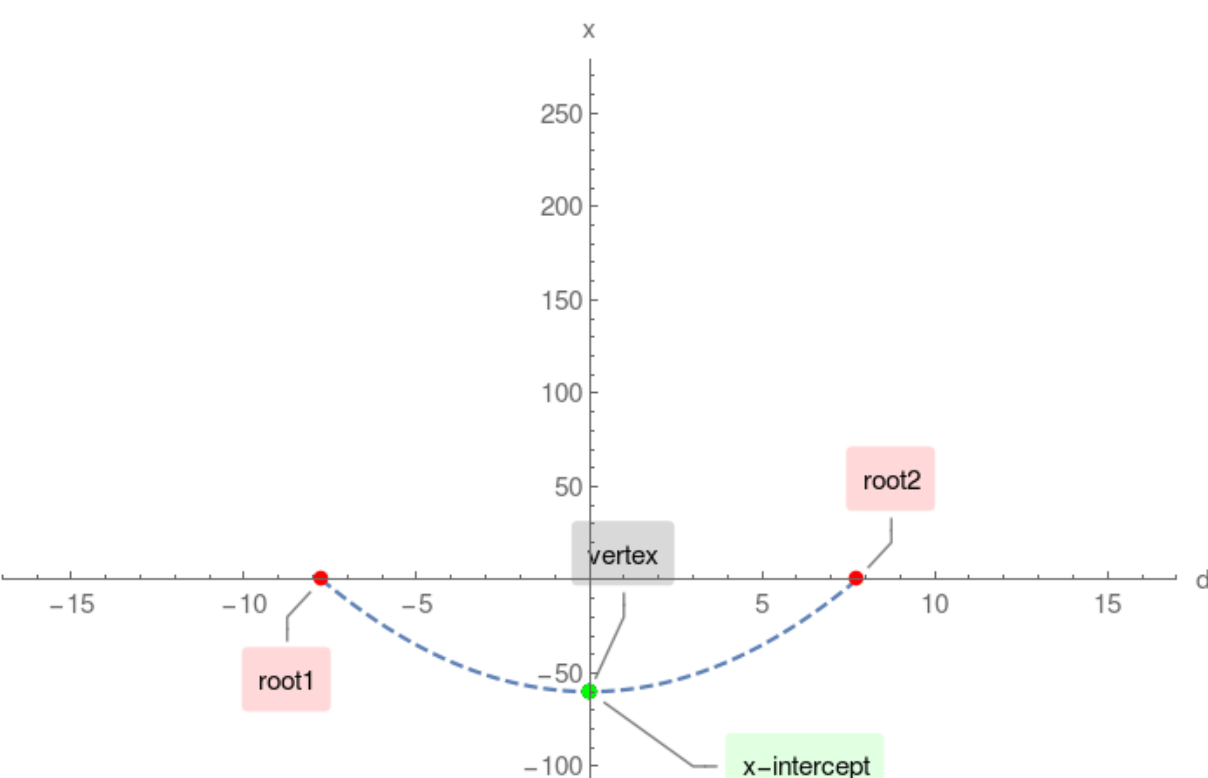
Compute d-intercepts by solving $d^2 - 60 = 0$:

$(-2\sqrt{15}, 0)$, $(2\sqrt{15}, 0)$



Step 4.

connect the above computed points:



Step 5.

Extend the parabola beyond the range of intercepts

