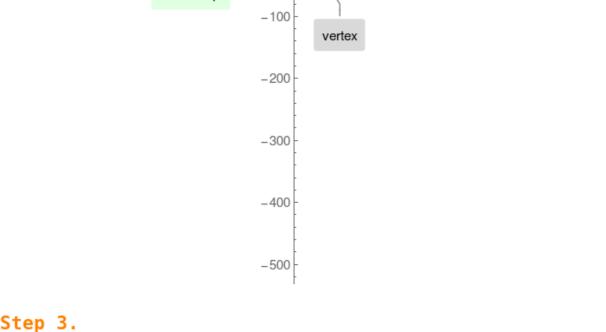
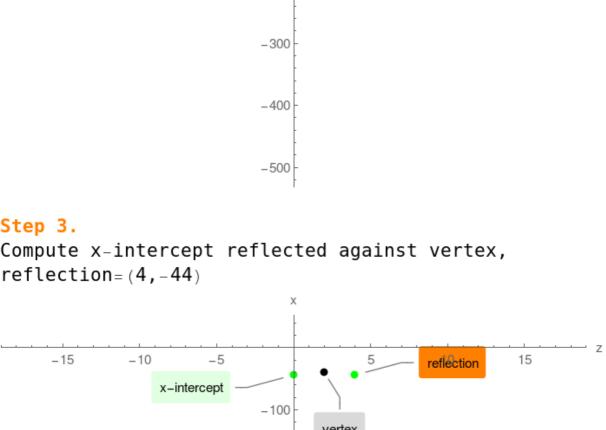
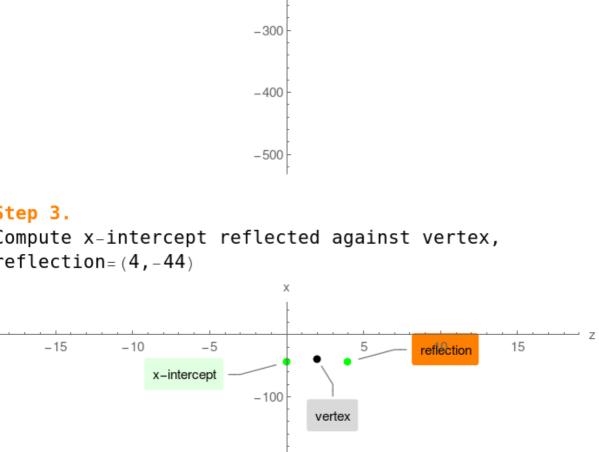
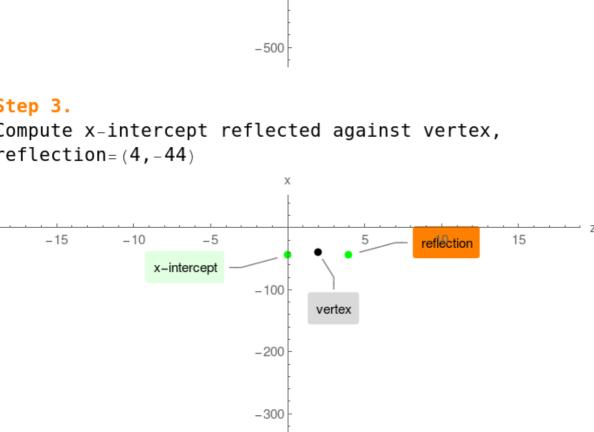
```
Example 2. No horizontal intercepts found
Plot x(z) = -z^2 + 4z - 44
Step 1.
Compute vertex and plot single point:
vertex=(2,-40)
     -15
              -10
                      -5
                                        5
                                                10
                                                         15
                            -100
                                   vertex
                            -200
                            -300
                            -400
                            -500
Step 2.
Compute x-intercept and plot single point:
x-intercept = (0,-44)
                                                10
     -15
              -10
                      -5
                                        5
                                                         15
                 x-intercept
                            -100
                                   vertex
                            -200
                            -300
                            -400
                            -500
                               Χ
             -10
     -15
                      -5
                                                        15
                                              reflection
```



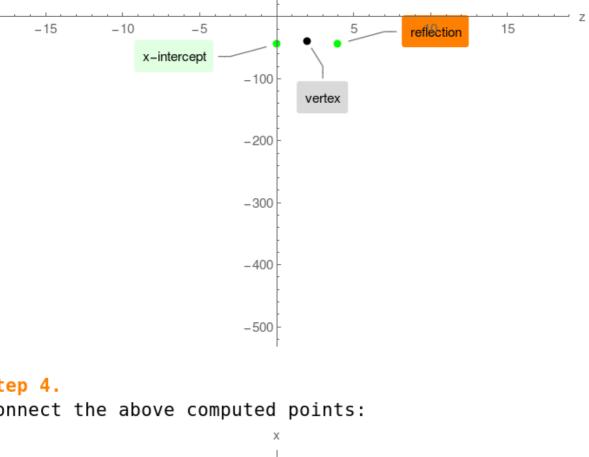




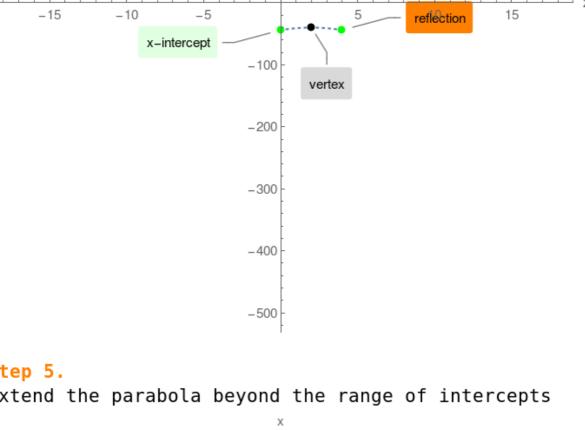


-400

-500



Step 4. connect the above computed points: 15 -15 -10-5 5 reflection x-intercept -100 vertex -200 -300 -400



Step 5. Extend the parabola beyond the range of intercepts -15 -1015 reflection x-intercept -100 vertex

-200

-300

-400

-500