```
Example 2. No horizontal intercepts found
Plot j(e) = -e^2 + 8e - 176
Step 1.
Compute vertex and plot single point:
vertex=(4,-160)
                       -5
                                                 10
                                                         15
                             -100
                             -200
                                       vertex
                            -300
                             -400
                            -500
                            -600
                             -700
Step 2.
Compute j-intercept and plot single point:
j-intercept = (0,-176)
     -15
              -10
                       -5
                                        5
                                                 10
                                                         15
                            -100
                 j-intercept
                             -200
                                       vertex
                             -300
                             -400
                            -500
                            -600
                            -700
Step 3.
Compute j-intercept reflected against vertex,
reflection=(8,-176)
                            -100
                                                      reflection
                 j-intercept
                             -200
                                       vertex
                             -300
                             -400
                            -500
                            -600
                             -700
Step 4.
connect the above computed points:
     -15
              -10
                       -5
                                        5
                                                 10
                                                         15
                            -100
                                                      reflection
                 j-intercept
                             -200
```

Step 5.
Extend the parabola beyond the range of intercepts

-10

-300

-400

-500

-600

vertex

10

j-intercept = 200 vertex -300

-300 -400 -500 -600

-700