```
Example 2. No horizontal intercepts found
Plot z(s) = s^2 + 2s + 121
Step 1.
Compute vertex and plot single point:
vertex=(-1,120)
                            500
                            400
                            300
                            yertex
                            100
                                               10
Step 2.
Compute z-intercept and plot single point:
z-intercept=(0,121)
                            500
                            400
                            300
                                       z-intercept
                             100
                      -5
                                       5
                                               10
     -15
             -10
                                                       15
Step 3.
Compute z-intercept reflected against vertex,
reflection=(-2,121)
                              Ζ
                            500
                            400
                            300
                            vertex
                                      z-intercept
                            100
              reflection
                      -5
     -15
                                               10
                                                       15
Step 4.
connect the above computed points:
                            500
                            400
                            300
                            vertex
                                       z-intercept
                            100
              reflection
             -10
                      -5
                                       5
                                               10
                                                       15
     -15
Step 5.
Extend the parabola beyond the range of intercepts
                            500
                            400
```

300

₂ver<u>t</u>ex

100

reflection

-10

-5

-15

z-intercept

10

15

5