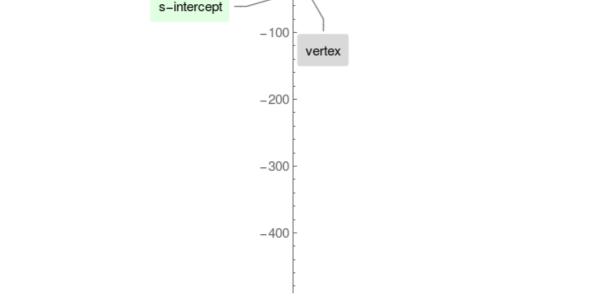
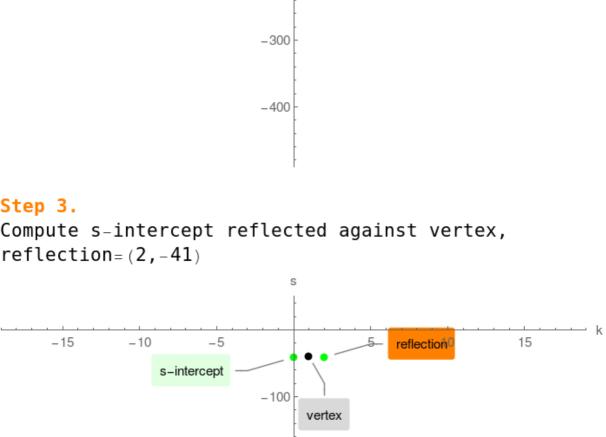
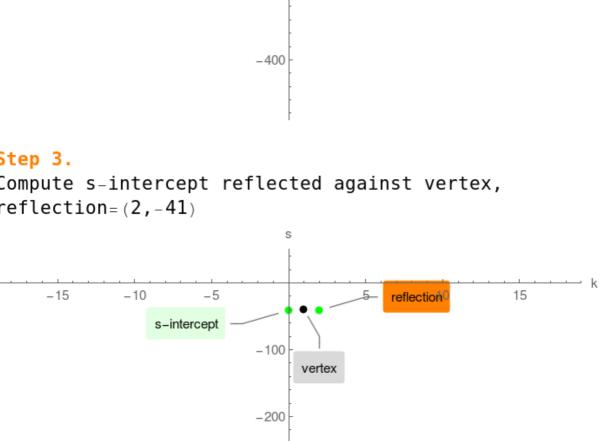
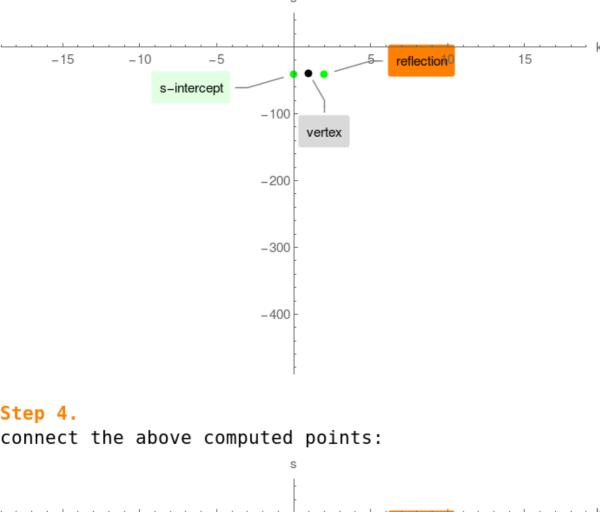
```
Example 2. No horizontal intercepts found
Plot s(k) = -k^2 + 2k - 41
Step 1.
Compute vertex and plot single point:
vertex=(1,-40)
                     -5
                                      5
                                             10
     -15
             -10
                                                     15
                           -100
                               vertex
                           -200
                           -300
                           -400
Step 2.
Compute s-intercept and plot single point:
s-intercept = (0,-41)
     -15
                s-intercept
                           -100
                               vertex
                           -200
                           -300
                           -400
                              S
```

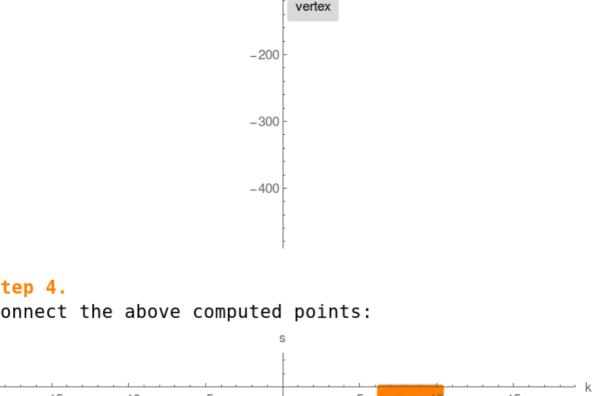






-300 -400





-15 reflection 0 15 s-intercept -100

vertex -200

-300

-400

Step 5. Extend the parabola beyond the range of intercepts -15 -1015 reflection s-intercept

-100 vertex

-200

-300

-400