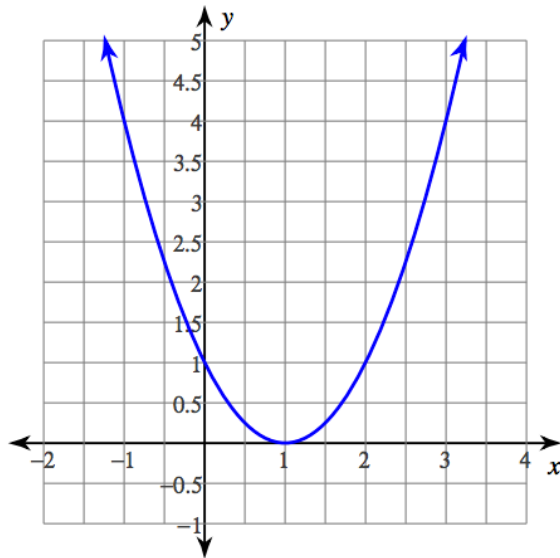




6.



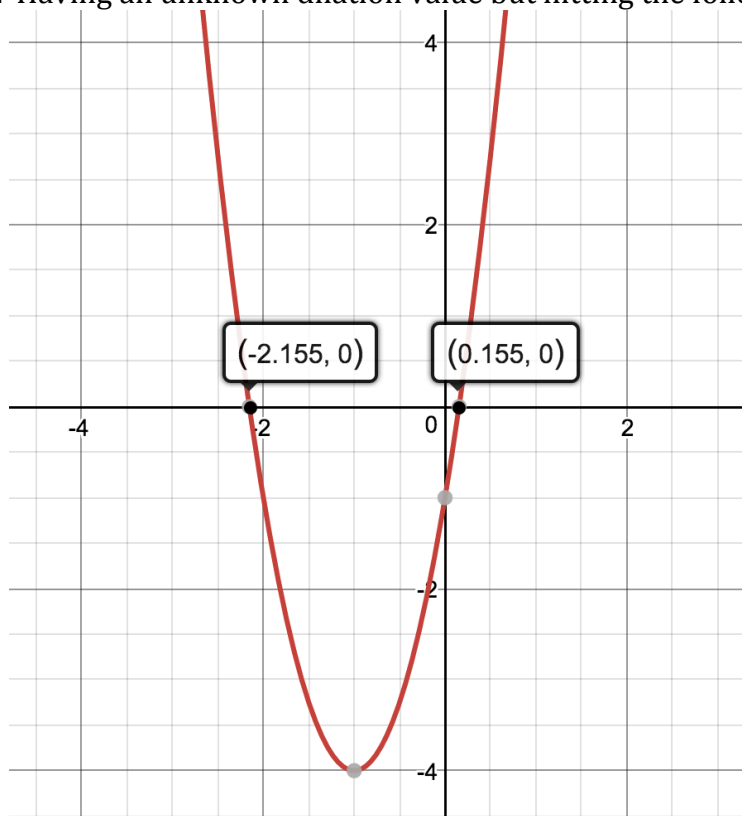
Use the following information to write each quadratic function in factored form

7. x-intercepts at (3, 0) and (7, 0) with a dilation value of 4

8. y-intercept at (0, -8) and x-intercept at (5, 0)

9. Dilation value of 2 and hitting the points (4, 0) and (-5, 0)

10. Having an unknown dilation value but hitting the following points:



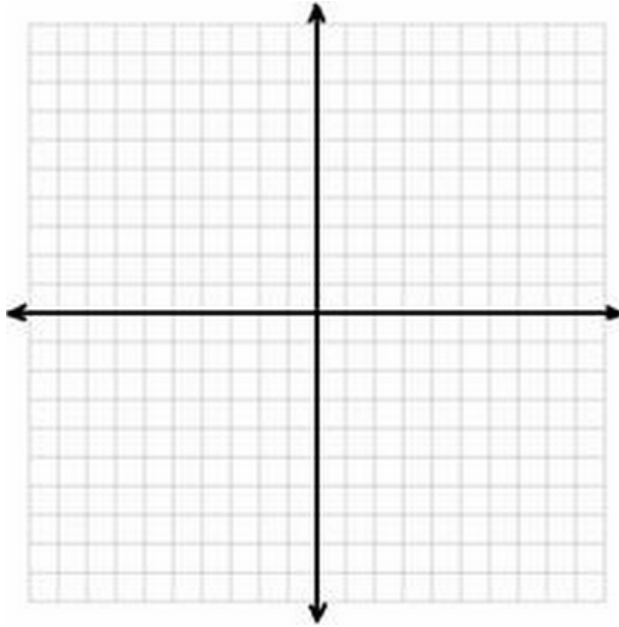
Use the following information to write the quadratic functions expressed in questions 11 through 13 in standard form

11. Having 'zeroes' at  $(-3, 0)$  and  $(11, 0)$  and exhibiting a vertical stretch by a factor of 2

12. The parent function  $y = -x^2$  reflected across the x-axis and translated up 4 units and right 2 units

13.  $y = 3(x - 7)^2 + 2$

14. Graph  $y = x^2 + 6x + 5$  in the space provided immediately below



15. Graph  $y = 2x^2 + x - 15$  in the space provided immediately below

