

Alg2 – Quadratic Regressions/Axis of Symmetry/Vertex, due Thursday 9/28

from p237+ : 18-22 *all*

1. Given the three points, determine the quadratic function that includes all three in standard form.
2. Find the axis of symmetry of that function, *showing your work*, using $\text{axis} = \frac{-b}{2a}$
3. Find the vertex of that function, showing your work, by plugging using the axis of symmetry as an x value to determine the value of the function that is plotted as y . Express the vertex as a coordinate pair.