

Honors Algebra 2: Chapter 2 Absolute Value & Quadratic Functions

Learning Goal: Students will be able to:

- Identify families of functions, describe transformations of parent functions, and write functions representing combinations of transformations.
- Graph absolute value & quadratic functions
- Convert absolute value into piece-wise function
- Find maximum/minimum values, intervals of increasing/decreasing and domain/range
- Identify axis of symmetry, vertex and y-intercept
- Convert standard form into factored form by completing the square
- Write equations of quadratics given graphs, points, vertex, intercepts
- Solve real world problems that involve projectile motion, maximizing area and maximizing revenue