

Algebra II Advanced Module 1 concepts to know

0. **PAY ATTENTION TO DETAIL** (read and follow directions thoroughly!)
1. Notation (interval, inequality, set)
2. Domain, Range, and End Behavior
3. Other characteristics of graphs (increasing, decreasing, positive, negative, relative max and min, intercepts - knowing when to use parenthesis vs. brackets)
4. Transformations (Translation, reflection, and dilation- knowing when to talk vertical vs. horizontal)
5. Must be able to graph basic functions (linear, quadratic, absolute value, radical) on a restricted domain.
6. Composite of a function – $f(g(3))$ or $f(g(x))$
7. Inverse functions (properties of, and how to find the inverse of a function, verifying if two functions are inverses algebraically)