Pre-Calculus

Unit 3: Nonlinear Functions & Equations

Learning Target	Topic	Description	Textbook Reference
3A	Power Functions with models	I can represent and apply power functions, with integer and rational powers, as equations and graphs.	2.2
3B	Graphing Polynomial Functions and modeling	I can identify the extrema, symmetry, and zeros of polynomial functions and use them to graph and model with these functions.	2.3, 2.4
3C	Polynomial Equations And the Fundamental Theorem of Algebra	I can describe and apply the Fundamental Theorem of Algebra to find real and complex solutions of polynomial equations	2.6
3D	Rational Functions and Asymptotes	I can graph rational functions and identify their asymptotes.	2.7