



## Unit 3: Nonlinear Functions and Equations

### *Learning Targets*

<b>Learning Target</b>	<b>Topic</b>	<b>Description</b>	<b>Textbook Reference</b>
3A	Quadratic Equations with Complex Solutions	I can solve quadratic equations by factoring, quadratic formula, and completing the square.	N/A
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.	3.3
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	3.4-3.6*
3D	Rational Functions and Asymptotes	I can graph rational functions and identify their asymptotes.	3.7*