

## **Algebra II Concepts A**

**Successful students will be able to:**

- Understand the concept of a function and find its domain and range
- Graph linear functions
- Solve linear equations and inequalities
- Apply linear models to problem solving situations
- Solve linear systems with two variables
- Apply linear systems to real-world applications
- Solve quadratic equations
- Graph quadratic functions and apply characteristics of their graphs to solving real world problems
- Perform arithmetic operations on polynomials

## **Algebra II Concepts B**

**Successful students will be able to:**

- Write exponential growth and decay functions
- Solve exponential equations, using graphing technology
- Perform arithmetic operations on rational expressions
- Solve radical equations
- Use and read sequence and series notation
- Find specific terms of sequences and specific sums of series