Algebra 2

* Solving equations and inequalities with one variable: being able to solve for x given a y value and vice versa
* Solving systems of linear equations for both variables
* Simplifying radicals
* Understanding orders of operations with whole numbers and fractions
* Graphing linear and quadratic functions: being able to graph slope and y-intercepts, graphing zeros of functions
* Lines: writing equations for lines, finding the slope and y-intercept, identifying parallel or perpendicular lines
* Using basic geometry formulas: applying formulas to find area of rectangles, triangles, and circles, as well as understanding how to use formulas to find perimeter, circumference as well as some volumes like of a rectangular prism
* Applying functions: being able to identify the domain and range of a function
* Using calculator skills: setting window, finding min. and max. values, finding the x-intercepts of a function, and using the table feature.