By the end of Algebra 2, students will:

A2.1 Solve one-variable linear equations over the real numbers. (Standard 4)
A2.2 Solve one and two variable linear inequalities. (Standards 4 and 6)
A2.3 Graph linear equations in two variables, and recognize key parts to a linear equation. (Standard 4 and 6)
A2.4 Factor polynomial expressions and recognize basic factoring patterns. (Standard 4)
A2.5 Demonstrate an understanding of functions. (Standards 4 and 6)
A2.6 Simplify and perform operations with polynomial expressions. (Standard 4)
A2.7 Solve quadratic equations and inequalities. (Standard 4)
A2.8 Solve polynomial equations and inequalities of third and fourth degree. (Standard 4)
A2.9 Solve real world problems modeled by polynomial equations. (Standards 4 and 6)
A2.10 Analyze a set of data using a variety of statistical charts, graphs and techniques. (Standards 2, 5 and 6)
A2.11 Demonstrate understanding of the elementary concepts relating to exponential and logarithmic functions. (Standards 4, 5 and 6)
A2.12 Demonstrate understanding of the elementary concepts relating to trigonometric functions. (Standards 4, 5, and 6)
A2.13 Use all of the above skills in the problem solving process. (Standards 4, 5 and 6)

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