

Math – Algebra 2
Hartley-Melvin-Sanborn CSD
Grade Level/Course Benchmarks

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)

Revised: November, 2007