

POWER STANDARDS – ALGEBRA II

Please note: Estimation and problem solving strategies should be included in number sense/computation and algebra standards.

NUMBER SENSE/COMPUTATION

Identify and Apply Real Numbers, Complex Numbers, and Matrix Operations

- ___ Properties of real and complex numbers ALII-01
- ___ Exponential, scientific, and calculator notation ALII-02
- ___ Matrices: problem situations, computation, and technology ALII-03

ALGEBRA

Evaluate, Simplify, and Factor

- ___ Polynomial expressions ALII-04
- ___ Operations with rational expressions ALII-05
- ___ Operations with radical expressions ALII-06

Write, Graph, and Solve Equations, Inequalities, and Word Problems

- ___ Linear equations and inequalities ALII-07
- ___ Systems of equations and inequalities with two and three variables: substitution, elimination, matrix ALII-08
- ___ Quadratic, rational, and radical equations ALII-09
- ___ Functions: linear and quadratic ALII-10

GEOMETRY

Investigate and Apply Geometric Properties and Relations

- ___ Pythagorean Theorem ALII-11
- ___ Proportion and concepts of similar triangles ALII-12

DATA ANALYSIS AND PROBABILITY

Organize and Analyze Data to Determine Hypothetical and Experimental Probabilities

- ___ Predictions based on patterns ALII-13
- ___ Arithmetic and geometric sequences ALII-14
- ___ Permutations and combinations ALII-15