

**ADAMS COUNTY/OHIO VALLEY SCHOOL DISTRICT
POWER STANDARDS (INDICATORS)**



**MATH
GRADE NINE**

Standard – Number, Number Sense and Operations

Compare order and determine equivalent forms for rational and irrational numbers.

Demonstrate fluency in computations using real numbers.

Standard – Measurement

Use unit analysis to check computations involving measurement.

Standard – Geometry, Spatial Sense

Apply proportions and right triangle trigonometric ratios to solve problems involving missing lengths and angle sizes in similar figures.

Standard – Patterns, Functions, Algebra

Write and use equivalent forms of equations and inequalities in problem situations; e.g., changing a linear equation to the slope-intercept form.

Find linear equations that represent lines that pass through a given set of ordered pairs, and find linear equations that represent lines parallel or perpendicular to a given line through a specific point.

Add, subtract, multiply and divide monomials and polynomials (division of polynomials by monomials only).

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**MATH
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Standard – Data Analysis, Probability

Describe and compare various types of studies (survey, observation, experiment), and identify possible misuses of statistical data.

Use counting techniques and the Fundamental Counting principle to determine the total number of possible outcomes for mathematical situations.