

EMS Algebra

Power Standards and Reporting Rubric

Standard 1 - Linear Relations and Functions

Algebraically solves, graphs, interprets & creates models of linear relations.

<i>Advanced</i>	<i>Proficient</i>	<i>Developing</i>	<i>Beginning</i>
Demonstrates complex level of understanding of linear relations or functions.	Demonstrates multiple forms of understanding linear relations or functions.	Demonstrates limited forms of understanding linear relations or functions.	Demonstrates understanding of linear relations or functions in one form.

Standard 2 - Quadratic Functions

Graphs, solves, interprets & creates models of quadratic functions.

<i>Advanced</i>	<i>Proficient</i>	<i>Developing</i>	<i>Beginning</i>
Demonstrates complex level of understanding of quadratic relations or functions.	Demonstrates multiple forms of understanding quadratic relations or functions.	Demonstrates limited forms of understanding quadratic functions.	Demonstrates understanding of quadratics in one form.

Standard 3 - Advanced Functions

Analyzes and applies polynomial, rational, and radical functions.

<i>Advanced</i>	<i>Proficient</i>	<i>Developing</i>	<i>Beginning</i>
Demonstrates complex level of understanding of advanced relations or functions.	Demonstrates multiple forms of understanding advanced relations or functions.	Demonstrates limited forms of understanding advanced relations or functions.	Demonstrates understanding of advanced relations or functions in one form.

Standard 4 - Exponential Functions

Analyzes and applies exponential properties to functions.

<i>Advanced</i>	<i>Proficient</i>	<i>Developing</i>	<i>Beginning</i>
Demonstrates complex level of understanding of exponential relations or functions.	Demonstrates multiple forms of understanding exponential relations or functions.	Demonstrates limited forms of understanding exponential relations or functions.	Demonstrates understanding of exponential relations or functions in one form.

Standard 5- The Number System

Uses and applies appropriate numbers to analyze and solve problems.

<i>Advanced</i>	<i>Proficient</i>	<i>Developing</i>	<i>Beginning</i>
Demonstrates a complex understanding of the number system to solve problems.	Consistently uses the number system to solve problems and approximate irrational numbers.	Identifies real numbers.	Demonstrates a basic understanding of the number system.

Standard 6 - Geometry

Uses and applies geometric concepts to solve problems.

<i>Advanced</i>	<i>Proficient</i>	<i>Developing</i>	<i>Beginning</i>
Demonstrates a complex understanding of geometric concepts to solve problems.	Uses and applies geometric concepts to solve problems with any figure.	Uses and applies geometric concepts to solve problems with basic figures.	Demonstrates an understanding of basic geometric concepts.