



Algebra I

3rd Grading Period (10 days)

Power Objective:

- Interpret structure and perform operations on polynomials. (P.O. #6)

Academic Vocabulary:

- binomial
- degree of monomial
- degree of a polynomial
- difference of two squares
- factoring by grouping
- monomial
- trinomial
- perfect-square trinomial
- polynomials
- standard form of a polynomial

Polynomials & Factoring

Enduring Understandings:

- Monomials can be used to form larger expressions called polynomials. Polynomials can be added and subtracted.
- There are several ways to find the product of two binomials, including models, algebra, and tables.
- Some quadratic trinomials and some polynomials of degree greater than 2 can be factored to equivalent forms which are the product of two binomials.
- The properties of real numbers can be used to multiply a monomial by a polynomial or simplify the product of binomials.
- The properties of real numbers are the basis of the laws of algebra. You can apply properties of real numbers, such as the Distributive Property, to polynomials.

Essential Questions:

- Can two algebraic expressions that appear to be different be equivalent?
- How are the properties of real numbers related to polynomials?

