How do you manipulate real numbers and variables to simplify expressions?

Unit 1: Basic Algebraic Concepts

Lesson Essential Questions

1. How do I use the order of operations to simplify real numbers?
2. How do I evaluate expressions?
3. How do I use properties of addition, multiplication, and division to help me simplify problems?
4. How do I use the distributive property to simplify problems?
5. How do I simplify radicals?
6. How do I classify real numbers?
7. How do I compare and order real numbers?
8. How do I find the greatest common factor and/or least common multiple for a set of monomials?

Vocabulary

Commutative Property	Rational #'s	Variable
Associative Property	Real #'s	Term
Distributive Property	Irrational #'s	Coefficient
Identity & Inverse Properties	Whole #'s	Like Terms
Simplify	Integers	Constant
Expression	Square root	
Reciprocal	Perfect square	
Improper fractions	Radicand	
Mixed numbers	Index	