Algebra I Honors Unit 2: Properties of Real Numbers

	Office. Froperties of Real Numbers
Essential	 Use of real numbers is a very important step in understanding algebra.
Understandings	These are essential understandings that are prerequisites to Honors
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	Algebra 1 and students are expected to have these skills prior to taking
	this class.
	What are the different types of real numbers?
Essential	How do you graph real numbers?
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Questions	What is absolute value?
	How do you add, subtract, multiply and divide real numbers?
	What are the essential algebraic properties?
	How do you evaluate complex expressions?
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	How do you simplify complex expressions?
	There are many types of real numbers.
Essential Knowledge	All real numbers can be graphed on number lines.
	Absolute value is a distance a number is nom zero.
	Adding, subtracting, multiplying, and dividing follow important rules.
	You can only combine like terms.
	■ Terms:
Vocabulary	 Real numbers, integers, irrational/rational numbers, number line,
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	absolute value, communitive property, associative property,
	distributive property, properties of zero, simplify, evaluate, solve,
	factors, terms, like terms, coefficient, constant, reciprocal,
	multiplicative inverse, additive inverse, opposite, substitute.
	 Identify sets of real numbers (i.e. integers, irrational/rational numbers)
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Essential	 Graph real numbers on number lines.
Skills	Find the absolute value and simplify expressions containing absolute
	values.
	Add, subtract, multiply and divide real numbers
	 Use order of operations including powers, square roots, and distributive
	property to simplify complex expressions
	Evaluate complex expressions by correctly substituting given values for
	variables.
	 Simplify complex expressions by combining like terms.
Deleted	
Related	D. Symbols and Expressions 1a
Maine Learning	
Results	
Sample	Students will orally respond to questions.
Lessons And	Students will utilize worksheets and in their notes to demonstrate
Activities	
	individual understanding of the concepts
Sample	Quizzes, take-home worksheets, and tests.
Classroom	
Assessment	
Methods	
	5.15.7
Sample	Publications:
Resources	 Algebra 1 Textbook (Larson)
Technology	http://www.brunswick.k12.me.us/curriculum
Link	
LIIIK	