TRST 3421   High School Algebra lA   Syllabus
Foundations of Algebra California Common Core

1-1   Constants, Variables and Expressions, Like Terms and Unlike Terms

1-2   Order of Operations and Evaluating Expressions

1-3   Real Numbers and the Number Line

1-4   Properties of Real Numbers: Commutative, associative

1-5   Adding and Subtracting Real Numbers,

1-6   Multiplying and Dividing Real Numbers

1-7   The Distributive Property in algebraic expressions

1-8   An Introduction to Equations

1-9   Patterns, Equations and Graphs

2-1   Solving One-Step Equation

2-2   Solving Two-Step Equations

2-3   Solving Multi-Step Equations

2-4   Solving Equations with Variables on Both Sides

2-5   Literal Equations and Formulas

3-7   Absolute Value Equations

4-4   Graphing a Function Rule

4-5   Write a Function Rule (phrases into algebraic expressions)

5-1   Rate of Change and Slope

5-3   Slope-Intercept Form

5-4   Point Slope Form

5-5   Standard Form

6-2   Solving Systems by Substitution

6-3   Solving Systems by Elimination

7-1   Zero & Negative Exponents, Powers of ten & scientific notation

7-2   Multiplying Powers With Same Base

7-3   Multiplication Properties of Exponents

7-4   Division Properties of Exponents

7-5   Rational Exponents and Radicals

7-6   Exponential Functions

8-1   Adding and Subtracting Polynomials

8-2   Multiplying and Factoring

8-3   Multiplying Binomials

8-4   Multiplying Special Cases

8-5   Factoring $x^2 + bx + c$

8-6   Factoring $ax^2 + bx + c$

8-7   Factoring Special Cases