

Watch and **take notes**. Turn-in all assignments on due day. Good luck!

CORE CONNECTIONS ALGEBRA 1 415AS

Video Review	Basic Algebra Lessons
UNIT 1 - Simplifying and Solving (part one)	
Video 1a	Solving Two Step Equations: A Summary
Video 1b1	Solving Equations with Distribution
Video 1b2	Solving Equations

UNIT 2 - Simplifying and Solving (part two)	
Video 2a1	Solving Equations with Variable on Both Sides
Video 2a2	Solving Multi-Step Equations
Video 2b1	Inequalities with Distribution
Video 2b2	Solving Inequalities with Variables on Both Sides

UNIT 3 - Exponential Functions	
Video 3a1	Laws of Exponents Explained
Video 3a2	Negative Exponents: How to Simplify
Video 3a3	Simplify Expressions with Rational Exponents
Video 3b1	Multiply Polynomials with Generic Rectangles
Video 3b2	Multiplying Polynomials Foil Box Method

UNIT 4 - Quadratic Functions (part one)	
Video 4a1	Factoring Trinomials: Berry Method
Video 4a2	Factoring Polynomials Using Generic Rectangles
Video 4a3	Factoring Polynomials
Video 4b1	Four Ways to Factor Trinomials
Video 4b2	Factoring Quadratic Trinomial
Video 4b3	Factoring Using Algebra Tiles
Video 4b4	Factoring by Grouping

UNIT 5 - Quadratic Functions (part two)	
Video 5a1	How to Solve Quadratic Equations by Factoring
Video 5a2	The Diamond Trick
Video 5b	How to solve Quadratic Equations by Completing the Square?

UNIT 6 - Solving Quadratics	
Video 6a1	Quadratic Graphs
Video 6a2	Completing the Square
Video 6a3	Graphing Quadratic Functions
Video 6b	The Quadratic Formula

For more online resources grouped by course, please visit [**ISP Mathematics**](#) inverted classroom web page. Make sure you **take notes**; you may use the form on the page or your own notebook. Sign and date the notes, and submit on your due day.