



# ALGEBRA I SCHEDULE

Tune in to VA TV Classroom Monday–Friday 2–2:30pm

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Welcome to Algebra I where we will learn how to represent and solve a variety of problems. You will learn about expressions and operations, equations and inequalities, functions, statistics, and much more.

WEEK 1	4/13/2020	4/14/2020	4/15/2020	4/16/2020	4/17/2020
<b>Video Name</b>	Intro to Polynomials	Adding and Subtracting Polynomials	Products of Binomials	Special Products	Modeling Products of Binomials
<b>SOL</b>	A.2	A.2	A.2	A.2	A.2
<b>Video Name</b>					Product of a Binomial and a Trinomial
<b>SOL</b>					A.2
WEEK 2	4/20/2020	4/21/2020	4/22/2020	4/23/2020	4/24/2020
<b>Video Name</b>	Factoring Binomials	Factoring Trinomials with a Leading Coefficient of 1	Factoring Trinomials with a Leading Coefficient Not Equal to 1	Using the Graphing Calculator to Verify Factors of Polynomials	Dividing Polynomials
<b>SOL</b>	A.2	A.2	A.2	A.2	A.2
WEEK 3	4/27/2020	4/28/2020	4/29/2020	4/30/2020	5/01/2020
<b>Video Name</b>	Solving Quadratic Equations Algebraically	Solving Quadratic Equations Graphically	Analyzing Relations and Functions	Analyzing the Quadratic Function Family	Finding x- and y-intercepts of Linear Functions
<b>SOL</b>	A.4	A.4	A.7	A.7	A.7
<b>Video Name</b>					Finding x- and y-intercepts of Quadratic Functions
<b>SOL</b>					A.7
WEEK 4	5/04/2020	5/05/2020	5/06/2020	5/07/2020	5/08/2020
<b>Video Name</b>	Finding Zeros of Linear Functions	Finding Values for Elements in the Domain of Linear Functions	Simplifying Square Roots of Whole Numbers	Simplifying Cube Roots of Whole Numbers	Power of a Power
<b>SOL</b>	A.7	A.7	A.3	A.3	A.2
<b>Video Name</b>	Simplifying Cube Roots of Whole Numbers	Simplifying Cube Roots of Whole Numbers	Simplifying Cube Roots of Whole Numbers	Product of Powers	Power of a Product
<b>SOL</b>	A.7	A.7	A.3	A.2	A.2

WEEK 5	5/11/2020	5/12/2020	5/13/2020	5/14/2020	5/15/2020
<b>Video Name</b>	Quotient of Powers	Power of a Quotient	Negative Exponents	Zero Exponents	Determining Lines and Curves of Best Fit
<b>SOL</b>	A.2	A.2	A.2	A.2	A.9

WEEK 6	5/18/2020	5/19/2020	5/20/2020	5/21/2020	5/22/2020
<b>Video Name</b>	Solving Literal Equations	Properties of Real Numbers	Properties of Equality	Solving Multi-Step Linear Equations Algebraically	Solving Multi-Step Linear Equations Graphically
<b>SOL</b>	A.4	A.4	A.4	A.4	A.4

WEEK 7	5/25/2020	5/26/2020	5/27/2020	5/28/2020	5/29/2020
<b>Video Name</b>	Using the Elimination Method to Solve Systems of Linear Equations	Using the Substitution Method to Solve Systems of Linear Equations	Using the Graphing Calculator to Solve Systems of Linear Equations	Solving Real-World Problems Involving Linear Equations	Solving Real-World Problems Involving Systems of Linear Equations
<b>SOL</b>	A.4	A.4	A.4	A.4	A.4

WEEK 8	6/01/2020	6/02/2020	6/03/2020	6/04/2020	6/05/2020
<b>Video Name</b>	Properties of Inequality	Solving Linear Inequalities Graphically	Solving Real-World Problems Involving Systems of Linear Inequalities	Calculating the Slope When Given Two Points	Graphing a Line When Given Its Equation in Slope-Intercept Form
<b>SOL</b>	A.5	A.5	A.5	A.6	A.6

<b>Video Name</b>	Solving Multi-Step Linear Inequalities Algebraically	Solving Real-World Problems Involving Linear Inequalities		Product of a Binomial and a Trinomial	Product of a Binomial and a Trinomial
<b>SOL</b>	A.5	A.5		A.6	A.6

WEEK 9	6/08/2020	6/09/2020	6/10/2020	6/11/2020	6/12/2020
<b>Video Name</b>	Graphing a Line By Using Transformations of the Parent Function	Graphing a Linear Inequality	Writing the Equation of a Line When Given a Graph	Writing the Equations of Parallel and Perpendicular Lines	Writing the Equation of a Line When Given Two Points on the Line
<b>SOL</b>	A.6	A.5	A.6	A.6	A.6

<b>Video Name</b>			Writing the Equation of a Line When Given the Slope and a Point on the Line		
<b>SOL</b>			A.6		

WEEK 10	6/15/2020	6/16/2020	6/17/2020	6/18/2020	6/19/2020
<b>Video Name</b>	Determining if a Direct Variation Exists	Determining if an Inverse Variation Exists	Representing a Direct Variation Algebraically and Graphically	Representing an Inverse Variation Algebraically	Modeling Real World Situations Points on the Line
<b>SOL</b>	A.8	A.8	A.8	A.8	A.1
<b>Video Name</b>				Translating Verbal Expressions to Algebraic Expressions, and Vice-Versa	Evaluating Expressions
<b>SOL</b>				A.1	A.1





	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>WEEK 10</b>	6/15/2020	6/16/2020	6/17/2020	6/18/2020	6/19/2020
Video Name	Module 11 Topic 1: Determining if a Direct Variation Exists	Module 11 Topic 2: Determining if an Inverse Variation Exists	Module 11 Topic 3: Representing a Direct Variation Algebraically and Graphically	Module 11 Topic 4: Representing an Inverse Variation Algebraically	Module 1 Topic 2: Modeling Real World Situations Points on the Line
SOL	A.8	A.8	A.8	A.8	A.1

Video Name				Module 1 Topic 1: Translating Verbal Expressions to Alge- braic Expressions, and Vice-Versa	Module 1 Topic 3: Evaluating Expressions
SOL				A.1	A.1