

## Course Syllabus - Online Algebra 1

Week	What to do during the week	What to turn in
Week 1	<ul style="list-style-type: none"> <li><input type="checkbox"/> Section 1.1: Variables and Expressions</li> <li><input type="checkbox"/> Section 1.2: Order of Operations</li> <li><input type="checkbox"/> Section 1.3: Equations</li> <li><input type="checkbox"/> HW 1A</li> <li><input type="checkbox"/> Section 1.4: Translating Words into Expressions</li> <li><input type="checkbox"/> Section 1.5: Translating Words into Equations</li> <li><input type="checkbox"/> Section 1.6: Recognizing Facts, Drawing Diagrams</li> <li><input type="checkbox"/> HW 1B</li> </ul>	<p>HW 1A HW 1B</p>
Week 2	<ul style="list-style-type: none"> <li><input type="checkbox"/> Section 1.7: Solving Problems</li> <li><input type="checkbox"/> HW 1C</li> <li><input type="checkbox"/> Section 1.8: Positive and Negative, Inequalities</li> <li><input type="checkbox"/> Section 1.9: Absolute Value</li> <li><input type="checkbox"/> HW 1D</li> <li><input type="checkbox"/> HW 1E (Honors)</li> <li><input type="checkbox"/> Chapter 1 Test</li> </ul>	<p>HW 1C HW 1D HW 1E (Honors) Chapter 1 Test</p>
Week 3	<ul style="list-style-type: none"> <li><input type="checkbox"/> Section 2.1: Assumptions about Real Numbers</li> <li><input type="checkbox"/> Section 2.2: The Number Line and Addition</li> <li><input type="checkbox"/> Section 2.3: Addition of Real Numbers</li> <li><input type="checkbox"/> Section 2.4: Subtraction</li> <li><input type="checkbox"/> HW 2A</li> <li><input type="checkbox"/> Section 2.5: The Distributive Property</li> <li><input type="checkbox"/> Section 2.6: Properties of Multiplication</li> <li><input type="checkbox"/> HW 2B</li> </ul>	<p>HW 2A HW 2B</p>
Week 4	<ul style="list-style-type: none"> <li><input type="checkbox"/> Section 2.7: Consecutive Integers, Even and Odd</li> <li><input type="checkbox"/> Section 2.8: Reciprocals</li> <li><input type="checkbox"/> HW 2C</li> <li><input type="checkbox"/> Section 2.9: Division with Real Numbers</li> <li><input type="checkbox"/> HW 2D</li> <li><input type="checkbox"/> HW 2E (Honors)</li> <li><input type="checkbox"/> Chapter 2 Test</li> </ul>	<p>HW 2C HW 2D HW 2E (Honors) Chapter 2 Test</p>
Week 5	<ul style="list-style-type: none"> <li><input type="checkbox"/> Section 3.1: Equations with Addition and Subtraction</li> <li><input type="checkbox"/> Section 3.2: Equations with Multiplication and Division</li> <li><input type="checkbox"/> HW 3A</li> <li><input type="checkbox"/> Section 3.3: Solving Equations in Multiple Steps</li> <li><input type="checkbox"/> HW 3B</li> </ul>	<p>HW 3A HW 3B</p>
Week 6	<ul style="list-style-type: none"> <li><input type="checkbox"/> Section 3.4: Translating Word Problems into Equations</li> <li><input type="checkbox"/> Section 3.5: Equations with Variables on Both Sides</li> <li><input type="checkbox"/> HW 3C</li> <li><input type="checkbox"/> Section 3.6: Organizing Information with Charts</li> <li><input type="checkbox"/> HW 3D</li> <li><input type="checkbox"/> Section 3.7: Techniques for Transforming Equations</li> <li><input type="checkbox"/> HW 3E (Honors)</li> <li><input type="checkbox"/> Chapter 3 Test</li> </ul>	<p>HW 3C HW 3D HW 3E (Honors) Chapter 3 Test</p>

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Week 7	<input type="checkbox"/> Section 4.1: Exponential Notation <input type="checkbox"/> Section 4.2: Addition and Subtraction of Polynomials <input type="checkbox"/> HW 4A <input type="checkbox"/> Section 4.3: Multiplying Polynomials <input type="checkbox"/> Section 4.4: Raising Monomials to a Power <input type="checkbox"/> HW 4B <input type="checkbox"/> Section 4.5: Multiplying Polynomials by Monomials	HW 4A HW 4B
Week 8	<input type="checkbox"/> Section 4.6: Multiplying Polynomials <input type="checkbox"/> HW 4C <input type="checkbox"/> Section 4.7: Formulas <input type="checkbox"/> Section 4.9: Problems Involving Area <input type="checkbox"/> Section 4.10: Problems with no Solution <input type="checkbox"/> HW 4D (Honors) <input type="checkbox"/> Chapter 4 Test	HW 4C HW 4D (Honors) Chapter 4 Test
Week 9	<input type="checkbox"/> Section 5.1: Factoring Integers <input type="checkbox"/> HW 5A <input type="checkbox"/> Section 5.2: Dividing Monomials <input type="checkbox"/> Section 5.3: Dividing a Monomial by a Polynomial <input type="checkbox"/> HW 5B	HW 5A HW 5B
Week 10	<input type="checkbox"/> Section 5.4: Multiplying Binomials <input type="checkbox"/> Section 5.5: The Difference of Two Squares <input type="checkbox"/> HW 5C <input type="checkbox"/> Section 5.6: Squaring Binomials	HW 5C
Week 11	<input type="checkbox"/> Section 5.7: Factoring Quadratics <input type="checkbox"/> Section 5.8: Factoring Polynomials <input type="checkbox"/> HW 5D <input type="checkbox"/> Section 5.9: Factoring Polynomials	HW 5D
Week 12	<input type="checkbox"/> Section 5.10: Factoring by Grouping Terms <input type="checkbox"/> Section 5.11: Combining Factoring Methods <input type="checkbox"/> Section 5.12: Using Factoring to Solve Equations <input type="checkbox"/> HW 5E (Honors) <input type="checkbox"/> Chapter 5 Test	HW 5E (Honors) Chapter 5 Test
Week 13	Review for Exam	
Week 14	Semester 1 Exam	

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Week	What to do during the week	What to turn in
Week 15	<input type="checkbox"/> Section 6.1: Simplifying Fractions <input type="checkbox"/> Section 6.2: Multiplying Fractions <input type="checkbox"/> Section 6.3: Dividing Fractions <input type="checkbox"/> HW 6A	HW 6A
Week 16	<input type="checkbox"/> Section 6.4: Least Common Denominators <input type="checkbox"/> Section 6.5: Adding and Subtracting Fractions <input type="checkbox"/> Section 6.6: Mixed Numbers and Expressions <input type="checkbox"/> HW 6B <input type="checkbox"/> Section 6.7: Dividing Polynomials <input type="checkbox"/> HW 6C (Honors) <input type="checkbox"/> Chapter 6 Test	HW 6B HW 6C (Honors) Chapter 6 Test
Week 17	<input type="checkbox"/> Section 7.1: Ratios <input type="checkbox"/> Section 7.2: Proportions <input type="checkbox"/> HW 7A <input type="checkbox"/> Section 7.3: Equations with Fractional Coefficients <input type="checkbox"/> Section 7.4: Fractional Equations <input type="checkbox"/> HW 7B <input type="checkbox"/> Section 7.5: Percents <input type="checkbox"/> HW 7C	HW 7A HW 7B HW 7C
Week 18	(sections 7.6 through 7.8 are deliberately omitted) <input type="checkbox"/> Section 7.9: Negative Exponents <input type="checkbox"/> Section 7.10: Scientific Notation <input type="checkbox"/> HW 7D <input type="checkbox"/> Chapter 7 Test	HW 7D Chapter 7 Test
Week 19	<input type="checkbox"/> Section 8.1: Equations with Two Variables <input type="checkbox"/> Section 8.2: The Cartesian Coordinate System <input type="checkbox"/> HW 8A <input type="checkbox"/> Section 8.3: Graphing Equations of Lines <input type="checkbox"/> HW 8B <input type="checkbox"/> Section 8.4: Slope <input type="checkbox"/> HW 8C	HW 8A HW 8B HW 8C
Week 20	<input type="checkbox"/> Section 8.5: Direct Variation Equations <input type="checkbox"/> HW 8D <input type="checkbox"/> Section 8.6: Slope-Intercept Form <input type="checkbox"/> HW 8E <input type="checkbox"/> Section 8.7: Parallel and Perpendicular Lines	HW 8D HW 8E
Week 21	<input type="checkbox"/> Section 8.8: Point-Slope Form <input type="checkbox"/> HW 8F <input type="checkbox"/> Section 8.9: Introduction to Functions <input type="checkbox"/> HW 8G <input type="checkbox"/> Section 8.10: Inverse Variation <input type="checkbox"/> HW 8H <input type="checkbox"/> Chapter 8 Test	HW 8F HW 8G HW 8H Chapter 8 Test
Week 22	<input type="checkbox"/> Section 9.1: Solving Systems by Graphing <input type="checkbox"/> HW 9A <input type="checkbox"/> Section 9.2: Solving Systems by Substitution <input type="checkbox"/> HW 9B <input type="checkbox"/> Section 9.3: Word Problems with Two Variables <input type="checkbox"/> HW 9C	HW 9A HW 9B HW 9C

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Week 23	<input type="checkbox"/> Section 9.4: Combining Linear Equations <input type="checkbox"/> Section 9.5: Multiplying and Combining Equations <input type="checkbox"/> HW 9D <input type="checkbox"/> Section 9.6: Wind and Water Currents <input type="checkbox"/> HW 9E <input type="checkbox"/> HW 9F (Honors) <input type="checkbox"/> Chapter 9 Test	HW 9D HW 9E HW 9F (Honors) Chapter 9 Test
Week 24	<input type="checkbox"/> Section 10.1: Inequalities and the Number Line <input type="checkbox"/> HW 10A <input type="checkbox"/> Section 10.2: Solving Inequalities <input type="checkbox"/> HW 10B <input type="checkbox"/> Section 10.3: Problem Solving with Inequalities <input type="checkbox"/> HW 10C <input type="checkbox"/> Section 10.4: Combined Inequalities	HW 10A HW 10B HW 10C
Week 25	<input type="checkbox"/> Section 10.5: Absolute Value Inequalities <input type="checkbox"/> HW 10D (section 10.6 is deliberately omitted) <input type="checkbox"/> Section 10.7: Graphing Linear Inequalities <input type="checkbox"/> HW 10E <input type="checkbox"/> Section 10.8: Systems of Linear Inequalities <input type="checkbox"/> HW 10F <input type="checkbox"/> HW 10G (Honors) <input type="checkbox"/> Chapter 10 Test	HW 10D HW 10E HW 10F HW 10G (Honors) Chapter 10 Test
Week 26	<input type="checkbox"/> Section 11.1: Rational Numbers <input type="checkbox"/> Section 11.2: Decimal Forms of Rational Numbers <input type="checkbox"/> HW 11A <input type="checkbox"/> Section 11.3: Rational Square Roots <input type="checkbox"/> Section 11.4: Irrational Square Roots <input type="checkbox"/> HW 11B	HW 11A HW 11B
Week 27	<input type="checkbox"/> Section 11.5: Square Root Expressions and Equations <input type="checkbox"/> HW 11C <input type="checkbox"/> Section 11.6: The Pythagorean Theorem <input type="checkbox"/> Section 11.7: Multiplication and Division with Radicals <input type="checkbox"/> HW 11D	HW 11C HW 11D
Week 28	<input type="checkbox"/> Section 11.8: Adding and Subtracting Radicals <input type="checkbox"/> Section 11.9: Multiplying Binomials with Radicals <input type="checkbox"/> HW 11E <input type="checkbox"/> Section 11.10: Solving Radical Equations <input type="checkbox"/> HW 11F <input type="checkbox"/> HW 11G <input type="checkbox"/> HW 11H (Honors) <input type="checkbox"/> Chapter 11 Test	HW 11E HW 11F HW 11G HW 11H (Honors) Chapter 11 Test
Week 29	<input type="checkbox"/> Section 12.1: Quadratics with Perfect Squares <input type="checkbox"/> Section 12.2: Completing the Square <input type="checkbox"/> HW 12A <input type="checkbox"/> Section 12.3: The Quadratic Formula <input type="checkbox"/> HW 12B	HW 12A HW 12B
Week 30	<input type="checkbox"/> Section 12.4: Quadratic Equations, the Discriminant <input type="checkbox"/> HW 12C <input type="checkbox"/> Section 12.5: Solving Quadratic Equations <input type="checkbox"/> HW 12D (Honors) <input type="checkbox"/> Chapter 12 Test	HW 12C HW 12D (Honors) Chapter 12 Test
Week 31	Review for Semester 2 Exam	

## Course Syllabus - Online Algebra 1

Week 32	Semester 2 Exam	
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