

Intermediate Algebra

Course Lesson Plan: 36 weeks

Welcome to Thinkwell's Homeschool Intermediate Algebra! We're thrilled that you've decided to make us part of your homeschool curriculum. This lesson plan is meant to be a guide for you and your homeschool student. Each day, you'll tackle a different topic and all the materials associated with that topic, such as video lectures, exercises, and interactivities. If you follow our day-by-day schedule, you'll complete the full curriculum for the course in 36 weeks. Feel free to modify and amend the plan as it best works for you. And, as always, please [let us know](#) what we can do to help you get you up and running with Thinkwell's Intermediate Algebra!

Week 1	
Chapter 1: The Real Numbers	
Assignments	Notes
Week 1, Day 1	
<input type="checkbox"/> 1.1.1 An Introduction to Algebra <input type="checkbox"/> 1.1.2 The Top Ten List of Mistakes	
Week 1, Day 2	
<input type="checkbox"/> 1.2.1 Properties, Identities, & Inverses	
Week 1, Day 3	
<input type="checkbox"/> 1.3.1 Concepts of Inequality <input type="checkbox"/> 1.3.2 Inequalities and Interval Notation	
Week 1, Day 4	
<input type="checkbox"/> 1.4.1 Properties of Absolute Value <input type="checkbox"/> 1.4.2 Evaluating Absolute Value Expressions	
Week 1, Day 5	
<input type="checkbox"/> 1.5.1 Operations Considering Signs	

Week 2	
Chapter 1: The Real Numbers	
Chapter 1 Test	
Chapter 2: Equations and Inequalities	
Assignments	Notes
Week 2, Day 1	
<input type="checkbox"/> 1.5.2 Prime and Composite Numbers and Their Roots <input type="checkbox"/> 1.5.3 Order of Operations	
Week 2, Day 2	
<input type="checkbox"/> 1.6.1 Forms of Conditional Statements <input type="checkbox"/> 1.6.2 Inductive Reasoning	
Week 2, Day 3	
<input type="checkbox"/> Chapter 1 Practice Test	
Week 2, Day 4	Chapter 1 Test Score: _____
Week 2, Day 5	

<input type="checkbox"/> 2.1.1 An Introduction to Solving Equations <input type="checkbox"/> 2.1.2 Equality or Identity?	
Week 3 Chapter 2: Equations and Inequalities	
Assignments	Notes
Week 3, Day 1 <input type="checkbox"/> 2.1.3 Equivalent Equations and Equations with No Solution <input type="checkbox"/> 2.1.4 Solving Linear Equations	
Week 3, Day 2 <input type="checkbox"/> 2.2.1 An Introduction to Solving Word Problems	
Week 3, Day 3 <input type="checkbox"/> 2.2.2 Finding Perimeter	
Week 3, Day 4 <input type="checkbox"/> 2.2.3 Solving a Linear Geometry Problem <input type="checkbox"/> 2.2.4 Solving for Constant Velocity	
Week 3, Day 5 <input type="checkbox"/> 2.3.1 Solving a Business Problem <input type="checkbox"/> 2.3.2 Solving a Mixture Problem	

Week 4 Chapter 2: Equations and Inequalities	
Assignments	Notes
Week 4, Day 1 <input type="checkbox"/> 2.3.3 Solving an Investment Problem <input type="checkbox"/> 2.3.4 Solving for Consecutive Numbers	
Week 4, Day 2 <input type="checkbox"/> 2.3.5 Finding an Average	
Week 4, Day 3 <input type="checkbox"/> 2.4.1 An Introduction to Solving Inequalities <input type="checkbox"/> 2.4.2 Solving Inequalities	
Week 4, Day 4 <input type="checkbox"/> 2.4.3 Solving Word Problems with Inequalities	
Week 4, Day 5 <input type="checkbox"/> 2.5.1 Sets, Intersections, and Unions <input type="checkbox"/> 2.5.2 Solving Compound Inequalities	

Week 5 Chapter 2: Equations and Inequalities Chapter 2 Test	
Assignments	Notes
Week 5, Day 1 <input type="checkbox"/> 2.5.3 More on Compound Inequalities <input type="checkbox"/> 2.6.1 Matching Number Lines with Absolute Value	

Week 5, Day 2 <input type="checkbox"/> 2.6.2 Solving Absolute Value Equations <input type="checkbox"/> 2.6.3 Solving Equations with Two Absolute Value Expressions	
Week 5, Day 3 <input type="checkbox"/> 2.7.1 Solving Absolute Value Inequalities <input type="checkbox"/> 2.7.2 Solving Absolute Value Inequalities: More Examples	
Week 5, Day 4 <input type="checkbox"/> Chapter 2 Practice Test	
Week 5, Day 5 <input type="checkbox"/> Chapter 2 Test	Chapter 2 Test Score: _____

Week 6 Chapter 3: Exponents and Polynomials	
Assignments	Notes
Week 6, Day 1 <input type="checkbox"/> 3.1.1 An Introduction to Exponents <input type="checkbox"/> 3.1.2 Evaluating Exponential Expressions	
Week 6, Day 2 <input type="checkbox"/> 3.1.3 Applying the Rules of Exponents <input type="checkbox"/> 3.1.4 Evaluating Expressions with Negative Exponents	
Week 6, Day 3 <input type="checkbox"/> 3.2.1 Converting between Decimal and Scientific Notation	
Week 6, Day 4 <input type="checkbox"/> 3.3.1 Determining Components and Degree <input type="checkbox"/> 3.3.2 Adding and Subtracting Polynomials	
Week 6, Day 5 <input type="checkbox"/> 3.3.3 Multiplying Polynomials	

Week 7 Chapter 3: Exponents and Polynomials	
Assignments	Notes
Week 7, Day 1 <input type="checkbox"/> 3.4.1 The FOIL Method <input type="checkbox"/> 3.4.2 Multiplying Big Products	
Week 7, Day 2 <input type="checkbox"/> 3.4.3 Using Special Products	
Week 7, Day 3 <input type="checkbox"/> 3.5.1 Factoring Using the Greatest Common Factor <input type="checkbox"/> 3.5.2 Factoring by Grouping	

Week 7, Day 4 <input type="checkbox"/> 3.5.3 Factoring Trinomials Completely	
Week 7, Day 5 <input type="checkbox"/> 3.5.4 Factoring Trinomials: The Guess and Check Method	
Week 8 Chapter 3: Exponents and Polynomials	
Assignments	Notes
Week 8, Day 1 <input type="checkbox"/> 3.6.1 Factoring Perfect Square Trinomials <input type="checkbox"/> 3.6.2 Factoring the Difference of Two Squares	
Week 8, Day 2 <input type="checkbox"/> 3.6.3 Factoring Sums and Differences of Cubes <input type="checkbox"/> 3.6.4 Factoring by Any Method	
Week 8, Day 3 <input type="checkbox"/> 3.7.1 The Zero Factor Property	
Week 8, Day 4 <input type="checkbox"/> 3.8.1 Using Long Division with Polynomials	
Week 8, Day 5 <input type="checkbox"/> 3.8.2 Long Division: Another Example	

Week 9 Chapter 3: Exponents and Polynomials Chapter 3 Test	
Assignments	Notes
Week 9, Day 1 <input type="checkbox"/> 3.9.1 Using Synthetic Division with Polynomials <input type="checkbox"/> 3.9.2 More Synthetic Division	
Week 9, Day 2 <input type="checkbox"/> 3.10.1 Using the Remainder Theorem	
Week 9, Day 3 <input type="checkbox"/> 3.10.2 More on the Remainder Theorem	
Week 9, Day 4 <input type="checkbox"/> Chapter 3 Practice Test	
Week 9, Day 5 <input type="checkbox"/> Chapter 3 Test	Chapter 3 Test Score: _____

Week 10 Chapter 4: Rational Expressions	
Assignments	Notes
Week 10, Day 1 <input type="checkbox"/> 4.1.1 An Introduction to Rational Expressions <input type="checkbox"/> 4.1.2 Working with Fractions	
Week 10, Day 2	

<input type="checkbox"/> 4.1.3 Writing Rational Expressions in Lowest Terms	
Week 10, Day 3 <input type="checkbox"/> 4.2.1 Multiplying and Dividing Rational Expressions <input type="checkbox"/> 4.2.2 Adding and Subtracting Rational Expressions	
Week 10, Day 4 <input type="checkbox"/> 4.2.3 Rewriting Complex Fractions	
Week 10, Day 5 <input type="checkbox"/> 4.3.1 Solving a Linear Equation with Rationals <input type="checkbox"/> 4.3.2 Solving a Linear Equation with Restrictions	

Week 11 Chapter 4: Rational Expressions	
Assignments	Notes
Week 11, Day 1 <input type="checkbox"/> 4.4.1 Solving Rational Inequalities <input type="checkbox"/> 4.4.2 Solving Rational Inequalities: Another Example	
Week 11, Day 2 <input type="checkbox"/> 4.4.3 Determining Domain	
Week 11, Day 3 <input type="checkbox"/> 4.5.1 Solving a Problem About Work <input type="checkbox"/> 4.5.2 Resistors in Parallel	
Week 11, Day 4 <input type="checkbox"/> 4.6.1 An Introduction to Variation <input type="checkbox"/> 4.6.2 Direct Proportion	
Week 11, Day 5 <input type="checkbox"/> 4.6.3 Inverse Proportion <input type="checkbox"/> 4.6.4 Joint and Combined Proportion	

Week 12 Chapter 4 Test Chapter 5: Roots and Radicals	
Assignments	Notes
Week 12, Day 1 <input type="checkbox"/> Chapter 4 Practice Test	
Week 12, Day 2 <input type="checkbox"/> Chapter 4 Test	Chapter 4 Test Score: _____
Week 12, Day 3 <input type="checkbox"/> 5.1.1 Radical Notation and Properties of Roots	

<input type="checkbox"/> 5.1.2 Variables and Negative Values under a Radical	
Week 12, Day 4	
<input type="checkbox"/> 5.1.3 Converting Rational Exponents and Radicals	
Week 12, Day 5	
<input type="checkbox"/> 5.2.1 Simplifying Radicals	
<input type="checkbox"/> 5.2.2 Simplifying Radical Expressions with Variables	
Week 13	
Chapter 5: Roots and Radicals	
Assignments	Notes
Week 13, Day 1	
<input type="checkbox"/> 5.3.1 Adding and Subtracting Radical Expressions	
<input type="checkbox"/> 5.3.2 Rationalizing Denominators	
Week 13, Day 2	
<input type="checkbox"/> 5.4.1 Solving an Equation Containing a Radical	
<input type="checkbox"/> 5.4.2 Solving Equations with Two Radical Expressions	
Week 13, Day 3	
<input type="checkbox"/> 5.4.3 Extraneous Roots	
<input type="checkbox"/> 5.4.4 Solving Equations with Rational Exponents	
Week 13, Day 4	
<input type="checkbox"/> 5.5.1 Introducing and Writing Complex Numbers	
Week 13, Day 5	
<input type="checkbox"/> 5.5.2 Rewriting Powers of i	

Week 14	
Chapter 5: Roots and Radicals	
Chapter 5 Test	
Assignments	Notes
Week 14, Day 1	
<input type="checkbox"/> 5.5.3 Adding and Subtracting Complex Numbers	
<input type="checkbox"/> 5.5.4 Multiplying Complex Numbers	
Week 14, Day 2	
<input type="checkbox"/> 5.5.5 Dividing Complex Numbers	
<input type="checkbox"/> 5.6.1 Finding the Length of the Diagonal of a Cube	
Week 14, Day 3	
<input type="checkbox"/> 5.6.2 Finding the Distance and Midpoint between Two Points	
<input type="checkbox"/> 5.6.3 Applications in Meteorology	
Week 14, Day 4	
<input type="checkbox"/> Chapter 5 Practice Test	
Week 14, Day 5	Chapter 5 Test Score: _____
<input type="checkbox"/> Chapter 5 Test	

Week 15	
Chapter 6: Relations and Functions	

Assignments	Notes
Week 15, Day 1 <input type="checkbox"/> 6.1.1 Using the Cartesian System <input type="checkbox"/> 6.1.2 Thinking Visually	
Week 15, Day 2 <input type="checkbox"/> 6.2.1 Introducing Relations and Functions	
Week 15, Day 3 <input type="checkbox"/> 6.2.2 Functions and the Vertical Line Test <input type="checkbox"/> 6.2.3 Function Notation and Values	
Week 15, Day 4 <input type="checkbox"/> 6.3.1 Finding Domain and Range	
Week 15, Day 5 <input type="checkbox"/> 6.3.2 Domain and Range: An Explicit Example	

Week 16 Chapter 6: Relations and Functions	
Assignments	Notes
Week 16, Day 1 <input type="checkbox"/> 6.3.3 Satisfying the Domain of a Function <input type="checkbox"/> 6.3.4 Graphing Important Functions	
Week 16, Day 2 <input type="checkbox"/> 6.4.1 Operations on Functions	
Week 16, Day 3 <input type="checkbox"/> 6.4.2 Composite Functions <input type="checkbox"/> 6.4.3 Components of Composite Functions	
Week 16, Day 4 <input type="checkbox"/> Chapter 6 Practice Test	
Week 16, Day 5 <input type="checkbox"/> Chapter 6 Test	Chapter 6 Test Score: _____

Week 17 Midterm Exam	
Assignments	Notes
Week 17, Day 1 <input type="checkbox"/> Study for Midterm Exam	
Week 17, Day 2 <input type="checkbox"/> Study for Midterm Exam	
Week 17, Day 3 <input type="checkbox"/> Study for Midterm Exam	
Week 17, Day 4 <input type="checkbox"/> Practice Midterm Exam	
Week 17, Day 5 <input type="checkbox"/> Midterm Exam	Midterm Exam Score: _____

Week 18 Chapter 7: The Straight Line	
Assignments	Notes
Week 18, Day 1 <input type="checkbox"/> 7.1.1 An Introduction to Slope <input type="checkbox"/> 7.1.2 Finding the Slope Given Two Points	
Week 18, Day 2 <input type="checkbox"/> 7.2.1 Using Intercepts to Graph Lines <input type="checkbox"/> 7.2.2 Working with Specific Lines	
Week 18, Day 3 <input type="checkbox"/> 7.2.3 Interpreting Slope from a Graph	
Week 18, Day 4 <input type="checkbox"/> 7.2.4 Graphing with a Point and the Slope	
Week 18, Day 5 <input type="checkbox"/> 7.3.1 Writing an Equation in Slope-Intercept Form <input type="checkbox"/> 7.3.2 Writing an Equation Given Two Points	

Week 19 Chapter 7: The Straight Line Chapter 7 Test	
Assignments	Notes
Week 19, Day 1 <input type="checkbox"/> 7.3.3 Writing an Equation in Point-Slope Form <input type="checkbox"/> 7.3.4 Matching a Slope-Intercept Equation with its Graph	
Week 19, Day 2 <input type="checkbox"/> 7.3.5 Slope for Parallel and Perpendicular Lines <input type="checkbox"/> 7.4.1 Constructing a Linear Model from a Set of Data	
Week 19, Day 3 <input type="checkbox"/> 7.4.2 Scatterplots and Predictions <input type="checkbox"/> 7.4.3 Linear Cost and Revenue	
Week 19, Day 4 <input type="checkbox"/> Chapter 7 Practice Test	
Week 19, Day 5 <input type="checkbox"/> Chapter 7 Test	Chapter 7 Test Score: _____

Week 20 Chapter 8: Systems of Equations	
Assignments	Notes
Week 20, Day 1 <input type="checkbox"/> 8.1.1 An Introduction to Linear Systems <input type="checkbox"/> 8.1.2 Solving a System by Graphing	
Week 20, Day 2	

<input type="checkbox"/> 8.1.3 Solving a System by Substitution	
Week 20, Day 3	
<input type="checkbox"/> 8.1.4 Solving a System by Elimination	
Week 20, Day 4	
<input type="checkbox"/> 8.2.1 An Introduction to Systems in Three Variables	
<input type="checkbox"/> 8.2.2 Solving Systems with Three Variables	
Week 20, Day 5	
<input type="checkbox"/> 8.2.3 Solving Inconsistent Systems	
<input type="checkbox"/> 8.2.4 Solving Dependent Systems	
Week 21	
Chapter 8: Systems of Equations	
Assignments	Notes
Week 21, Day 1	
<input type="checkbox"/> 8.2.5 Solving Systems with Two Equations	
Week 21, Day 2	
<input type="checkbox"/> 8.3.1 Investments	
<input type="checkbox"/> 8.3.2 Partial Fractions	
Week 21, Day 3	
<input type="checkbox"/> 8.4.1 An Introduction to Matrices	
<input type="checkbox"/> 8.4.2 Using the Gauss-Jordan Method	
Week 21, Day 4	
<input type="checkbox"/> 8.4.3 Using Gauss-Jordan: Another Example	
Week 21, Day 5	
<input type="checkbox"/> 8.5.1 Evaluating 2×2 Determinants	
<input type="checkbox"/> 8.5.2 Evaluating $n \times n$ Determinants	

Week 22	
Chapter 8: Systems of Equations	
Assignments	Notes
Week 22, Day 1	
<input type="checkbox"/> 8.5.3 Evaluating a Determinant Using Elementary Row Operations	
Week 22, Day 2	
<input type="checkbox"/> 8.5.4 Finding a Determinant using Expanding by Cofactors	
Week 22, Day 3	
<input type="checkbox"/> 8.6.1 Using Cramer's Rule	
<input type="checkbox"/> 8.6.2 Using Cramer's Rule in a 3×3 Matrix	
Week 22, Day 4	
<input type="checkbox"/> 8.7.1 An Introduction to Graphing Linear Inequalities	
Week 22, Day 5	
<input type="checkbox"/> 8.8.1 Solving a Nonlinear System by Elimination	
<input type="checkbox"/> 8.8.2 Solving a Nonlinear System by Substitution	

Week 23	
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Chapter 8 Test Chapter 9: Quadratic Equations and Inequalities	
Assignments	Notes
Week 23, Day 1 <input type="checkbox"/> Chapter 8 Practice Test	
Week 23, Day 2 <input type="checkbox"/> Chapter 8 Test	Chapter 8 Test Score: _____
Week 23, Day 3 <input type="checkbox"/> 9.1.1 An Introduction to Quadratics <input type="checkbox"/> 9.1.2 Solving Quadratics by Factoring	
Week 23, Day 4 <input type="checkbox"/> 9.2.1 Finding x- and y-Intercepts <input type="checkbox"/> 9.2.2 Nice-Looking Parabolas	
Week 23, Day 5 <input type="checkbox"/> 9.2.3 Graphing Parabolas	

Week 24 Chapter 9: Quadratic Equations and Inequalities	
Assignments	Notes
Week 24, Day 1 <input type="checkbox"/> 9.3.1 Solving by Completing the Square <input type="checkbox"/> 9.3.2 Completing the Square: Another Example	
Week 24, Day 2 <input type="checkbox"/> 9.3.3 Finding the Vertex by Completing the Square	
Week 24, Day 3 <input type="checkbox"/> 9.4.1 Using the Vertex to Write the Equation <input type="checkbox"/> 9.4.2 Building a Polynomial Equation from Its Solutions	
Week 24, Day 4 <input type="checkbox"/> 9.5.1 Proving the Quadratic Formula <input type="checkbox"/> 9.5.2 Using the Quadratic Formula	
Week 24, Day 5 <input type="checkbox"/> 9.5.3 Predicting Types of Solution from the Discriminant	

Week 25 Chapter 9: Quadratic Equations and Inequalities	
Assignments	Notes
Week 25, Day 1 <input type="checkbox"/> 9.5.4 Using the Discriminant to Graph Parabolas	
Week 25, Day 2	

<input type="checkbox"/> 9.6.1 Solving for a Squared Variable <input type="checkbox"/> 9.6.2 Finding Real Number Restrictions	
Week 25, Day 3	
<input type="checkbox"/> 9.6.3 Solving Fancy Quadratics <input type="checkbox"/> 9.6.4 Horizontal Parabolas	
Week 25, Day 4	
<input type="checkbox"/> 9.7.1 Solving a Quadratic Geometry Problem	
Week 25, Day 5	
<input type="checkbox"/> 9.7.2 Solving with the Pythagorean Theorem <input type="checkbox"/> 9.7.3 Solving a Motion Problem	

Week 26	
Chapter 9: Quadratic Equations and Inequalities	
Chapter 9 Test	
Assignments	Notes
Week 26, Day 1	
<input type="checkbox"/> 9.7.4 Solving a Projectile Problem <input type="checkbox"/> 9.7.5 Solving Other Problems	
Week 26, Day 2	
<input type="checkbox"/> 9.8.1 Solving Quadratic Inequalities	
Week 26, Day 3	
<input type="checkbox"/> 9.8.2 Solving Quadratic Inequalities: Another Example	
Week 26, Day 4	
<input type="checkbox"/> Chapter 9 Practice Test	
Week 26, Day 5	Chapter 9 Test Score: _____

Week 27	
Chapter 10: Conic Sections	
Assignments	Notes
Week 27, Day 1	
<input type="checkbox"/> 10.1.1 An Introduction to Conic Sections <input type="checkbox"/> 10.1.2 An Introduction to Parabolas	
Week 27, Day 2	
<input type="checkbox"/> 10.2.1 Determining Information about a Parabola from the Equation <input type="checkbox"/> 10.2.2 Writing an Equation for a Parabola	
Week 27, Day 3	
<input type="checkbox"/> 10.3.1 Shifting Curves along Axes	
Week 27, Day 4	
<input type="checkbox"/> 10.3.2 Shifting or Translating Curves along Axes <input type="checkbox"/> 10.3.3 Stretching a Graph	
Week 27, Day 5	

<input type="checkbox"/> 10.3.4 Graphing Quadratics Using Patterns	
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Week 28 Chapter 10: Conic Sections	
Assignments	Notes
<u>Week 28, Day 1</u> <input type="checkbox"/> 10.4.1 Finding the Maximum or Minimum of a Quadratic <input type="checkbox"/> 10.4.2 Maximum Height in the Real World: A Bridge	
<u>Week 28, Day 2</u> <input type="checkbox"/> 10.5.1 The Center-Radius Equation of a Circle	
<u>Week 28, Day 3</u> <input type="checkbox"/> 10.5.2 Finding the Center or Radius of a Circle <input type="checkbox"/> 10.5.3 Decoding the Circle Formula	
<u>Week 28, Day 4</u> <input type="checkbox"/> 10.5.4 Solving Circle Problems	
<u>Week 28, Day 5</u> <input type="checkbox"/> 10.6.1 An Introduction to Ellipses <input type="checkbox"/> 10.6.2 Finding the Equation for an Ellipse	

Week 29 Chapter 10: Conic Sections	
Assignments	Notes
<u>Week 29, Day 1</u> <input type="checkbox"/> 10.6.3 Applying Ellipses: Satellites	
<u>Week 29, Day 2</u> <input type="checkbox"/> 10.7.1 An Introduction to Hyperbolas <input type="checkbox"/> 10.7.2 Finding the Equation for a Hyperbola	
<u>Week 29, Day 3</u> <input type="checkbox"/> 10.7.3 Applying Hyperbolas: Navigation	
<u>Week 29, Day 4</u> <input type="checkbox"/> 10.8.1 Identifying a Conic <input type="checkbox"/> 10.8.2 Name That Conic	
<u>Week 29, Day 5</u> <input type="checkbox"/> 10.9.1 Conic Halves	

Week 30 Chapter 10 Test Chapter 11: Inverse, Exponential, and Logarithmic Functions	
Assignments	Notes

Week 30, Day 1 <input type="checkbox"/> Chapter 10 Practice Test	
Week 30, Day 2 <input type="checkbox"/> Chapter 10 Test	Chapter 10 Test Score: _____
Week 30, Day 3 <input type="checkbox"/> 11.1.1 Understanding Inverse Functions <input type="checkbox"/> 11.1.2 The Horizontal Line Test	
Week 30, Day 4 <input type="checkbox"/> 11.1.3 Are Two Functions Inverses of Each Other? <input type="checkbox"/> 11.1.4 Graphing the Inverse	
Week 30, Day 5 <input type="checkbox"/> 11.1.5 Finding the Inverse of a Function	

Week 31 Chapter 11: Inverse, Exponential, and Logarithmic Functions	
Assignments	Notes
Week 31, Day 1 <input type="checkbox"/> 11.2.1 An Introduction to Exponential Functions <input type="checkbox"/> 11.2.2 Graphing Exponential Functions: Patterns	
Week 31, Day 2 <input type="checkbox"/> 11.2.3 Graphing Exponential Functions: More Patterns <input type="checkbox"/> 11.2.4 The Number e	
Week 31, Day 3 <input type="checkbox"/> 11.3.1 Using Properties of Exponents to Solve Exponential Functions <input type="checkbox"/> 11.3.2 Finding Present and Future Value	
Week 31, Day 4 <input type="checkbox"/> 11.3.3 Finding an Interest Rate to Match Goals	
Week 31, Day 5 <input type="checkbox"/> 11.4.1 An Introduction to Logarithmic Functions <input type="checkbox"/> 11.4.2 Converting between Exponential and Logarithmic Functions	

Week 32 Chapter 11: Inverse, Exponential, and Logarithmic Functions	
Assignments	Notes
Week 32, Day 1 <input type="checkbox"/> 11.4.3 Graphing Logarithmic Functions <input type="checkbox"/> 11.4.4 Matching Logarithmic Functions with Their Graphs	
Week 32, Day 2 <input type="checkbox"/> 11.5.1 Properties of Logarithms	
Week 32, Day 3 <input type="checkbox"/> 11.5.2 Expanding a Logarithmic Expression with Properties	

<input type="checkbox"/> 11.5.3 Combining Logarithmic Expressions	
Week 32, Day 4 <input type="checkbox"/> 11.6.1 Finding the Value of a Logarithmic Function <input type="checkbox"/> 11.6.2 Solving for x in Logarithmic Equations	
Week 32, Day 5 <input type="checkbox"/> 11.6.3 Using the Logarithmic Change of Base Formula <input type="checkbox"/> 11.6.4 Evaluating Logarithmic Functions with a Calculator	

Week 33 Chapter 11: Inverse, Exponential, and Logarithmic Functions	
Assignments	Notes
Week 33, Day 1 <input type="checkbox"/> 11.7.1 Solving Exponential Equations <input type="checkbox"/> 11.7.2 Solving Logarithmic Equations	
Week 33, Day 2 <input type="checkbox"/> 11.7.3 Solving Equations with Logarithmic Exponents	
Week 33, Day 3 <input type="checkbox"/> 11.8.1 Compound Interest <input type="checkbox"/> 11.8.2 Predicting Change	
Week 33, Day 4 <input type="checkbox"/> 11.9.1 An Introduction to Exponential Growth and Decay <input type="checkbox"/> 11.9.2 Half Life	
Week 33, Day 5 <input type="checkbox"/> 11.9.3 Newton's Law of Cooling <input type="checkbox"/> 11.9.4 Continuously Compounded Interest	

Week 34 Chapter 11 Test Chapter 12: Further Topics	
Assignments	Notes
Week 34, Day 1 <input type="checkbox"/> Chapter 11 Practice Test	
Week 34, Day 2 <input type="checkbox"/> Chapter 11 Test	Chapter 11 Test Score: _____
Week 34, Day 3 <input type="checkbox"/> 12.1.1 General and Specific Terms <input type="checkbox"/> 12.1.2 Understanding Sequence Problems	
Week 34, Day 4 <input type="checkbox"/> 12.1.3 Series Notation, Definitions and Evaluating	
Week 34, Day 5 <input type="checkbox"/> 12.2.1 Finding Terms in Arithmetic Sequences <input type="checkbox"/> 12.2.2 Finding the Sum of an Arithmetic Sequence	

Week 35 Chapter 12: Further Topics Chapter 12 Test	
Assignments	Notes
<u>Week 35, Day 1</u> <input type="checkbox"/> 12.3.1 Finding Terms in Geometric Sequences <input type="checkbox"/> 12.3.2 Finding the Sum of a Geometric Sequence	
<u>Week 35, Day 2</u> <input type="checkbox"/> 12.4.1 Using the Binomial Theorem	
<u>Week 35, Day 3</u> <input type="checkbox"/> 12.4.2 Binomial Coefficients <input type="checkbox"/> 12.4.3 Finding a Term of a Binomial Expansion	
<u>Week 35, Day 4</u> <input type="checkbox"/> Chapter 12 Practice Test	
<u>Week 35, Day 5</u> <input type="checkbox"/> Chapter 12 Test	Chapter 12 Test Score: _____
Week 36 Final Exam	
Assignments	Notes
<u>Week 36, Day 1</u> <input type="checkbox"/> Study for Final Exam	
<u>Week 36, Day 2</u> <input type="checkbox"/> Study for Final Exam	
<u>Week 36, Day 3</u> <input type="checkbox"/> Study for Final Exam	
<u>Week 36, Day 4</u> <input type="checkbox"/> Practice Final Exam	
<u>Week 36, Day 5</u> <input type="checkbox"/> Final Exam	Final Exam Score: _____