Algebra IIa Content Calendar

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| **UNIT** | **≈ Week** | **TOPICS** | **Textbook Chapter Coverage** |
| **Exponents & Polynomials** | 1-3 | Introductions & Class InformationInteractive Notebook & Note skillsAdding & Subtracting PolynomialsMultiplying PolynomialsSpecial ProductsPolynomials in Several VariablesDividing PolynomialsLong Division in Polynomials; Synthetic DivisionNegative Exponents & Scientific Notation | 5.15.25.35.45.55.65.7 |
| **Factoring Polynomials** | 4-6 | Greatest Common Factor & Factoring by GroupingFactoring Trinomials (Leading Coefficient = 1)Factoring Trinomials (Leading Coefficient ≠ 1)Factoring Special FormsSolving Quadratic Equations by Factoring | 6.16.26.36.46.6 |
| **Rational Expressions** | 7-9 | Rational Expressions & Their SimplificationMultiplying & Dividing Rational ExpressionsAdding & Subtracting Rational Expressions  (w/Same Denominator)Adding & Subtracting Rational Expressions  (w/Different Denominator)Complex Rational ExpressionsSolving Rational EquationsApplications Using Rational Equations & Proportions | 7.17.27.37.47.57.67.7 |
| **Basics of Functions** | 10-12 | Introduction to FunctionsGraphs of FunctionsThe Algebra of FunctionsComposite & Inverse Functions | 8.18.28.38.4 |