Lumen Learning

- **Book: Beginning Algebra (Lumen)**

This text builds concepts and skills in preparation for student success in subsequent college math courses. Course content includes basic solving equations & inequalities, graphing, solving systems of equations & inequalities, exponents, polynomials, factoring, rational expressions, roots, and rational exponents. With an OER text, aligned OER videos, complete slides, lecture notes, and complete online assessments, this title is a great low-cost alternative to traditional publisher materials.

- Front Matter
- 0: Review
- 1: Solving Equations and Inequalities
- 2: Graphing
- 3: Systems of Equations and Inequalities
- 4: Exponents
- 5: Polynomials
- 6: Factoring
7: Rational Expressions and Equations
   • 8: Roots and Rational Exponents
   • Back Matter

- Book: Introduction to College Mathematics (Lumen)

- Front Matter
- 2: Assessments
- 3: Module 1: Basic of Set
- 4: Module 2: Logic
- 5: Module 3: Numeration System
- 6: Module 4: Probability
- 7: Module 5: Modular Arithmetic
- 8: Module 6: Measurement
- Back Matter

- Book: Mathematics for the Liberal Arts (Lumen)

- Front Matter
- 1: Main Body
- 2: Mathematics for the Liberal Arts
- 3: Faculty Resources
- 4: Module 1: General Problem Solving
5: Growth Models
   ◦ 6: Module 2: Geometry
   ◦ 7: Finance
   ◦ 8: Topic F: Using a Calculator
   ◦ 9: Describing Data
   ◦ 10: Sets
   ◦ 11: Statistics
   ◦ 12: Module 3: Set Theory
   ◦ 13: Module 4: Logic
   ◦ 14: Module 5: Numeration Systems
   ◦ 15: Module 6: Consumer Math
   ◦ 16: Topic G: Linear Equations – Algebra and Spreadsheets
   ◦ 17: Topic K: Finance
   ◦ 18: Topic M: Power Functions and Using Logarithmic Graphs
   ◦ 19: Topic L: Automated Fitting of Models, Comparative Goodness of Fit, and Outliers
   ◦ 20: Topic H: Linear Formulas – Word Problems
   ◦ 21: Topic I: Linear and Quadratic Models
   ◦ 22: Topic J: Exponential Models and Model Comparison Techniques
   ◦ 23: Topic C: Communicating Precision of Approximate Numbers
   ◦ 24: Topic E: Using a Spreadsheet
   ◦ 25: Topic O: Combining Modeling Formulas
   ◦ 26: Topic N: Additional Useful Modeling Formulas
   ◦ 27: Topic B: Solving Equations, Evaluating Expressions, and Checking Your Work
   ◦ 28: Topic D: Formulas—Computing and Graphing
   ◦ Back Matter