

The Joy of Finite Mathematics

The Language and Art of Math

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The Joy of Finite Mathematics: The Language and Art of Math teaches students basic finite mathematics through a foundational understanding of the underlying symbolic language and its many 'dialects.' These include: logic, set theory, combinatorics (counting), probability, statistics, geometry, algebra, and finance. Through detailed explanations of the concepts, step-by-step procedures, and clearly defined formulae, readers learn to apply math to subjects ranging from reason (logic) to finance (personal budget). This interactive and engaging book is appropriate for non-science, undergraduate students in the liberal arts, social sciences, finance, economics, and other humanities areas.

Throughout **The Joy of Finite Mathematics**, the authors utilize important historical facts, pose interesting and relevant questions, and reference real-world events. These challenge, inspire, and motivate students to learn the subject of mathematical thinking and its relevance to our society.

Based on the authors' experience teaching liberal arts math and other courses to students of various backgrounds and majors, the work is also appropriate for preparing students for Florida's CLAST exam or similar core requirements.

Key Features:

- Highlights definitions, rules, methods, and procedures, as well as abundant tables, diagrams, and graphs in order to clearly illustrate important concepts and methods
- Provides end-of-chapter vocabulary and concept reviews, as well as robust review exercises and a practice test
- Contains information relevant to a wide range of topics, including symbolic language, contemporary math, liberal arts math, social sciences math, basic math for finance, math for humanities, probability, and the CLAST exam



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