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Mathematical Proofs: A Transition To Advanced Mathematics



Synopsis

Mathematical Proofs is designed to prepare students for the more abstract mathematics courses that follow calculus. This text introduces students to proof techniques and writing proofs of their own. As such, it is an introduction to the mathematics enterprise providing solid introductions to relations, functions, and cardinalities of sets.

Book Information

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Customer Reviews

This is a great tool that every math major should own. This helped me through my advance calculus class in college. I think this would also be a great buy for a high school student that wants to get ahead of the game.

Very insightful and provides a practical foundation for learning how to write proofs

This is the best proof book by far. The other books I tried are Mathematical Thinking: Problem-Solving and Proofs (2nd Edition) How to Prove It: A Structured Approach, 2nd Edition. This book is much better than the other two books. The nice thing about the book is that the chapter is organized by method of proof (direct, contradiction, induction, ...). This really helps to improve each proof method, instead of using only one method you are familiar over and over.

Excellent book...and excellent service

I needed this book quickly for a summer class. It arrived quickly and in perfect condition (exactly as described by the seller). I will definitely keep this long past the end of this course. It is a great introduction to logic mathematical proofs. It is easy to read and follow, and I'm sure will be invaluable to me as I progress through my academic career.

Wasn't thinking this topic would be one I would be interested in however, turns out to be a unique way of thinking and I am starting to like it.

This text begins with a really concise and thorough discussion of set theory that I found riveting.

Excellent text on proofs. Though I've only skimmed through three books on the same subject, this was my favorite. Many helpful examples were given. Provided a great foundation for future math courses.

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