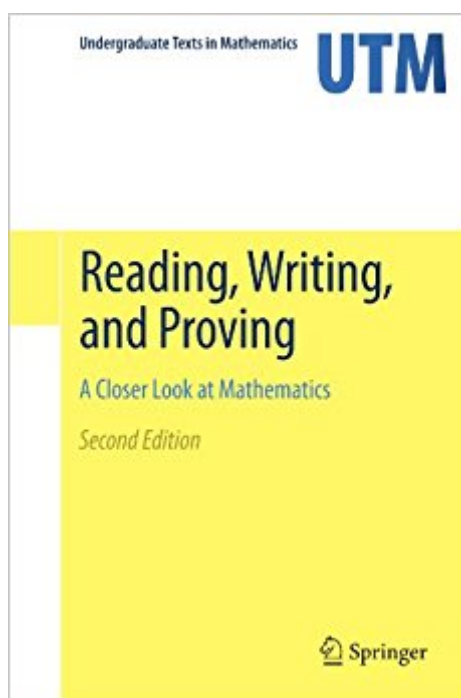The book was found

Reading, Writing, And Proving (Undergraduate Texts In Mathematics)

Synopsis

This book, which is based on Pólya's method of problem solving, aids students in their transition from calculus (or precalculus) to higher-level mathematics. The book begins by providing a great deal of guidance on how to approach definitions, examples, and theorems in mathematics and ends with suggested projects for independent study. Students will follow Pólya's four step approach: analyzing the problem, devising a plan to solve the problem, carrying out that plan, and then determining the implication of the result. In addition to the Pólya approach to proofs, this book places special emphasis on reading proofs carefully and writing them well. The authors have included a wide variety of problems, examples, illustrations and exercises, some with hints and solutions, designed specifically to improve the student's ability to read and write proofs. Historical connections are made throughout the text, and students are encouraged to use the rather extensive bibliography to begin making connections of their own. While standard texts in this area prepare students for future courses in algebra, this book also includes chapters on sequences, convergence, and metric spaces for those wanting to bridge the gap between the standard course in calculus and one in analysis.

Book Information

File Size: 19670 KB

Print Length: 378 pages

Publisher: Springer; 2nd ed. 2011 edition (April 11, 2013)

Publication Date: April 11, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00DGEGF1A

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #241,347 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #6 in Kindle Store > Kindle eBooks > Nonfiction > Science > Technology > Nanotechnology #12 in Kindle Store > Kindle eBooks > Nonfiction > Science > Mathematics > Pure Mathematics >

Customer Reviews

Excellent!

Reading, Writing, and Proving: A Closer Look at Mathematics (Undergraduate Texts in Mathematics) Reading, Writing, and Proving (Undergraduate Texts in Mathematics) Mathematics and Technology (Springer Undergraduate Texts in Mathematics and Technology) Discrete Mathematics: Elementary and Beyond (Undergraduate Texts in Mathematics) Proofs and Fundamentals: A First Course in Abstract Mathematics (Undergraduate Texts in Mathematics) Mathematics and Its History (Undergraduate Texts in Mathematics) The Mathematics of Medical Imaging: A BeginnerÃ¢ ¬â„¢s Guide (Springer Undergraduate Texts in Mathematics and Technology) The Mathematics of Nonlinear Programming (Undergraduate Texts in Mathematics) The Art of Proof: Basic Training for Deeper Mathematics (Undergraduate Texts in Mathematics) Linear Algebra: An Introduction to Abstract Mathematics (Undergraduate Texts in Mathematics) An Introduction to Mathematical Finance with Applications: Understanding and Building Financial Intuition (Springer Undergraduate Texts in Mathematics and Technology) Combinatorics and Graph Theory (Springer Undergraduate Texts in Mathematics and Technology) Ideals, Varieties, and Algorithms: An Introduction to Computational Algebraic Geometry and Commutative Algebra (Undergraduate Texts in Mathematics) Combinatorics and Graph Theory (Undergraduate Texts in Mathematics) Mathematical Introduction to Linear Programming and Game Theory (Undergraduate Texts in Mathematics) Elementary Number Theory: Primes, Congruences, and Secrets: A Computational Approach (Undergraduate Texts in Mathematics) Numerical Analysis: Mathematics of Scientific Computing (The Sally Series; Pure and Applied Undergraduate Texts, Vol. 2) Introduction to Mathematical Structures and Proofs (Undergraduate Texts in Mathematics) A Discrete Transition to Advanced Mathematics (Pure and Applied Undergraduate Texts) Groups and Symmetry (Undergraduate Texts in Mathematics)

FAQ & Help