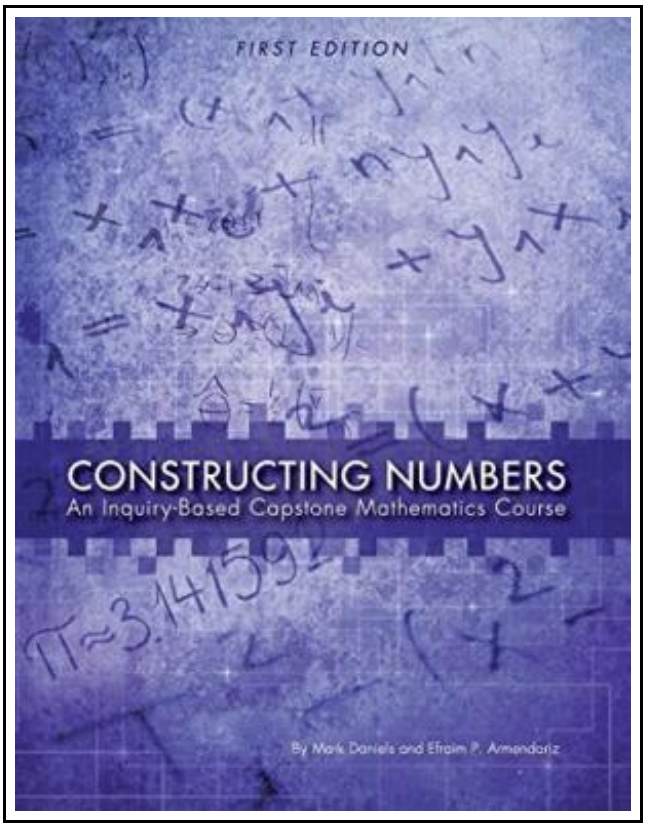
Constructing Numbers: An Inquiry-Based Capstone Mathematics Course (First Edition) (Paperback)



Filesize: 5.06 MB

Reviews

The publication is simple in read easier to comprehend. It really is rally interesting throgh looking at time period. I found out this book from my i and dad suggested this pdf to discover.
(Shakira Kunde)

CONSTRUCTING NUMBERS: AN INQUIRY-BASED CAPSTONE MATHEMATICS COURSE (FIRST EDITION) (PAPERBACK)

DOWNLOAD

Cognella Academic Publishing, United States, 2014. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. The discovery-based Constructing Numbers: An Inquiry-Based Capstone Mathematics Course helps students synthesize material from elementary analysis, linear algebra, algebraic structures, and geometry while providing perspective on how mathematical thought has developed. The book opens with the history of numbers. It moves on to cover axiomatic systems, real, complex, and constructible numbers, and an algebraic formulation of field construction. The final chapters are devoted to finite fields, probability, and permutation groups. By actively participating in the exercises and proofs, students learn how the material progresses in a logical way. They master the content by doing the work and presenting their results. Working through Constructing Numbers gives students a deeper understanding of the discipline of mathematics. They understand the importance of moving beyond a strictly mechanical approach to doing mathematics and to instead ask why mathematical processes are as they are. Intended for one-semester upper-division classes, Constructing Numbers can be used in capstone courses in the major, or classes for pre-service secondary mathematics teachers. Mark L. Daniels is a clinical professor of mathematics in the UTeach Natural Sciences Program at the University of Texas, Austin. Professor Daniels mathematical interests include discrete deterministic chaos, inquiry-based instruction in undergraduate mathematics, and the development of secondary mathematics teachers. Efraim P. Armendariz (1938 2013) was an algebraist and professor of mathematics at the University of Texas, Austin. Professor Armendariz devoted much of his career to enhancing the content knowledge of undergraduate and graduate mathematics students as well as both pre-service and in-service mathematics teachers.

Read Constructing Numbers: An Inquiry-Based Capstone Mathematics Course (First Edition) (Paperback) Online
Download PDF Constructing Numbers: An Inquiry-Based Capstone Mathematics Course (First Edition) (Paperback)

See Also

I Learn, I Speak: Basic Skills for Preschool Learners of English and Chinese (Paperback)

Paraxus International, Inc., United States, 2012. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Please go to // and shapes for some high resolution sample...

Download eBook »

Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. Mark Smith (illustrator). 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.A #1 Best Selling Children s Book...

Download eBook »

Twitter Marketing Workbook: How to Market Your Business on Twitter (Paperback)

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. Workbook. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Twitter Marketing Workbook 2016 Learn how to market your...

Download eBook »

Fifty Years Hence, or What May Be in 1943 (Paperback)

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. Fifty Years Hence is a quasi-fictional work by Robert Grimshaw, a professional...

Download eBook »

Skills for Preschool Teachers, Enhanced Pearson eText - Access Card

Pearson Education (US), United States, 2016. Online resource. Book Condition: New. 10th edition. 279 x 216 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing...

Download eBook »