



The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides)

By Raffi Grinberg

Download now

Read Online 

The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg

Real analysis is difficult. For most students, in addition to learning new material about real numbers, topology, and sequences, they are also learning to read and write rigorous proofs for the first time. *The Real Analysis Lifesaver* is an innovative guide that helps students through their first real analysis course while giving them the solid foundation they need for further study in proof-based math.

Rather than presenting polished proofs with no explanation of how they were devised, *The Real Analysis Lifesaver* takes a two-step approach, first showing students how to work backwards to solve the crux of the problem, then showing them how to write it up formally. It takes the time to provide plenty of examples as well as guided "fill in the blanks" exercises to solidify understanding.

Newcomers to real analysis can feel like they are drowning in new symbols, concepts, and an entirely new way of thinking about math. Inspired by the popular *Calculus Lifesaver*, this book is refreshingly straightforward and full of clear explanations, pictures, and humor. It is the lifesaver that every drowning student needs.

- The essential "lifesaver" companion for any course in real analysis
- Clear, humorous, and easy-to-read style
- Teaches students not just what the proofs are, but how to do them?in more than 40 worked-out examples
- Every new definition is accompanied by examples and important clarifications
- Features more than 20 "fill in the blanks" exercises to help internalize proof techniques
- Tried and tested in the classroom



[Download The Real Analysis Lifesaver: All the Tools You Nee ...pdf](#)

 [Read Online The Real Analysis Lifesaver: All the Tools You N ...pdf](#)

The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides)

By Raffi Grinberg

The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg

Real analysis is difficult. For most students, in addition to learning new material about real numbers, topology, and sequences, they are also learning to read and write rigorous proofs for the first time. *The Real Analysis Lifesaver* is an innovative guide that helps students through their first real analysis course while giving them the solid foundation they need for further study in proof-based math.

Rather than presenting polished proofs with no explanation of how they were devised, *The Real Analysis Lifesaver* takes a two-step approach, first showing students how to work backwards to solve the crux of the problem, then showing them how to write it up formally. It takes the time to provide plenty of examples as well as guided "fill in the blanks" exercises to solidify understanding.

Newcomers to real analysis can feel like they are drowning in new symbols, concepts, and an entirely new way of thinking about math. Inspired by the popular *Calculus Lifesaver*, this book is refreshingly straightforward and full of clear explanations, pictures, and humor. It is the lifesaver that every drowning student needs.

- The essential "lifesaver" companion for any course in real analysis
- Clear, humorous, and easy-to-read style
- Teaches students not just what the proofs are, but how to do them?in more than 40 worked-out examples
- Every new definition is accompanied by examples and important clarifications
- Features more than 20 "fill in the blanks" exercises to help internalize proof techniques
- Tried and tested in the classroom

The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg Bibliography

- Rank: #479924 in Books
- Brand: Grinberg Raffi
- Published on: 2017-01-10
- Original language: English
- Dimensions: 9.90" h x .60" w x 6.90" l, .0 pounds
- Binding: Paperback
- 200 pages

 [Download The Real Analysis Lifesaver: All the Tools You Nee ...pdf](#)

 [**Read Online** The Real Analysis Lifesaver: All the Tools You N ...pdf](#)

Download and Read Free Online The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg

Editorial Review

Review

"This well-written book prepares readers to take a real analysis course by carefully defining and proving all concepts one needs for this type of course. . . . Throughout the book, the style is incredibly reader friendly, and the author's enthusiasm for the subject is very clear."--**Choice**

From the Back Cover

"This book is a great resource that every real analysis student should have. Grinberg writes like a professor would speak to a student during office hours: free of jargon, with a sense of humor, yet still in an authoritative and informative manner."--**Oscar E. Fernandez, author of *Everyday Calculus: Discovering the Hidden Math All around Us***

"Grinberg's accessible book gives beginning real analysis students the leg up they need."--**Mark McConnell, Princeton University**

About the Author

Raffi Grinberg is an entrepreneur and former management consultant. He graduated with honors from Princeton University with a degree in mathematics in 2012.

Users Review

From reader reviews:

Daniel Spencer:

Book is usually written, printed, or created for everything. You can recognize everything you want by a guide. Book has a different type. As you may know that book is important point to bring us around the world. Beside that you can your reading proficiency was fluently. A guide The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) will make you to always be smarter. You can feel considerably more confidence if you can know about anything. But some of you think in which open or reading any book make you bored. It's not make you fun. Why they are often thought like that? Have you looking for best book or suited book with you?

Jeffrey Smith:

The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) can be one of your beginning books that are good idea. Many of us recommend that straight away because this e-book has good vocabulary that could increase your knowledge in terminology, easy to understand, bit entertaining however delivering the information. The author giving his/her effort that will put every word into delight arrangement in writing The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) yet doesn't forget the main point, giving the reader the hottest in addition to based confirm resource data that maybe you can be one among it. This great

information may draw you into fresh stage of crucial considering.

Barbara Baker:

Do you like reading a reserve? Confuse to looking for your best book? Or your book seemed to be rare? Why so many concern for the book? But just about any people feel that they enjoy with regard to reading. Some people like examining, not only science book and also novel and *The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs* (Princeton Lifesaver Study Guides) or perhaps others sources were given understanding for you. After you know how the truly great a book, you feel desire to read more and more. Science guide was created for teacher or maybe students especially. Those guides are helping them to increase their knowledge. In additional case, beside science e-book, any other book like *The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs* (Princeton Lifesaver Study Guides) to make your spare time considerably more colorful. Many types of book like here.

Samantha Graham:

What is your hobby? Have you heard in which question when you got students? We believe that that concern was given by teacher to their students. Many kinds of hobby, All people has different hobby. And also you know that little person just like reading or as studying become their hobby. You have to know that reading is very important as well as book as to be the point. Book is important thing to include you knowledge, except your own personal teacher or lecturer. You get good news or update with regards to something by book. Different categories of books that can you choose to adopt be your object. One of them are these claims *The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs* (Princeton Lifesaver Study Guides).

Download and Read Online *The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs* (Princeton Lifesaver Study Guides) By Raffi Grinberg #L5N420SZAQW

Read The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg for online ebook

The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg books to read online.

Online The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg ebook PDF download

The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg Doc

The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg MobiPocket

The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg EPub

L5N420SZAQW: The Real Analysis Lifesaver: All the Tools You Need to Understand Proofs (Princeton Lifesaver Study Guides) By Raffi Grinberg