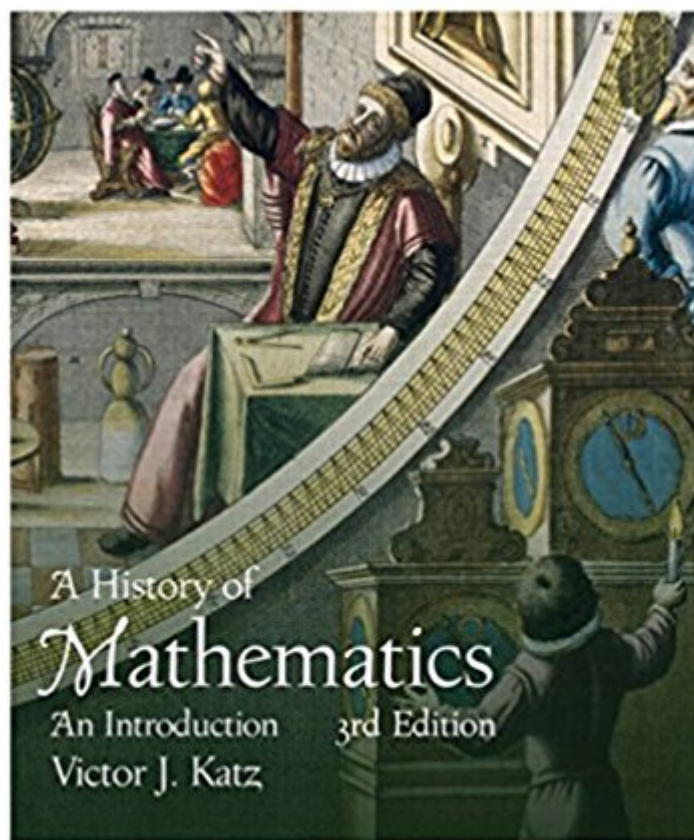


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# A History Of Mathematics (3rd Edition)



## Synopsis

A History of Mathematics, Third Edition, provides students with a solid background in the history of mathematics and focuses on the most important topics for today's elementary, high school, and college curricula. Students will gain a deeper understanding of mathematical concepts in their historical context, and future teachers will find this book a valuable resource in developing lesson plans based on the history of each topic. This book is ideal for a junior or senior level course in the history of mathematics for mathematics majors intending to become teachers.

## Book Information

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## Customer Reviews

**Key Message:** A History of Mathematics, Third Edition, provides a solid background in the history of mathematics, helping readers gain a deeper understanding of mathematical concepts in their historical context. This book's global perspective covers how contributions from Chinese, Indian, and Islamic mathematicians shaped our modern understanding of mathematics. This book also includes discussions of important historical textbooks and primary sources to help readers further understand the development of modern mathematics.

**Key Topics:** Ancient Mathematics: Egypt and Mesopotamia, The Beginnings of Mathematics in Greece, Euclid, Archimedes and Apollonius, Mathematical Methods in Hellenistic Times, The Final Chapter of Greek Mathematics; Medieval Mathematics: Ancient and Medieval China, Ancient and Medieval India, The Mathematics of Islam, Medieval Europe, Mathematics Elsewhere; Early Modern Mathematics: Algebra in the Renaissance, Mathematical Methods in the Renaissance, Geometry, Algebra and Probability in the Seventeenth Century, The Beginnings of Calculus, Newton and Leibniz; Modern

Mathematics: Analysis in the Eighteenth Century, Probability and Statistics in the Eighteenth Century, Algebra and Number Theory in the Eighteenth Century, Geometry in the Eighteenth Century, Algebra and Number Theory in the Nineteenth Century, Analysis in the Nineteenth Century, Probability and Statistics in the Nineteenth Century, Geometry in the Nineteenth Century, Aspects of the Twentieth Century

Market: For all readers interested in the history of mathematics.

Victor J. Katz received his PhD in mathematics from Brandeis University in 1968 and has been Professor of Mathematics at the University of the District of Columbia for many years. He has long been interested in the history of mathematics and, in particular, in its use in teaching. He is the editor of *The Mathematics of Egypt, Mesopotamia, China, India and Islam: A Sourcebook* (2007). He has edited or co-edited two recent books dealing with this subject, *Learn from the Masters* (1994) and *Using History to Teach Mathematics* (2000). Dr. Katz also co-edited a collection of historical articles taken from MAA journals of the past 90 years, *Sherlock Holmes in Babylon and other Tales of Mathematical History*. He has directed two NSF-sponsored projects to help college teachers learn the history of mathematics and learn to use it in teaching. Dr. Katz has also involved secondary school teachers in writing materials using history in the teaching of various topics in the high school curriculum. These materials, *Historical Modules for the Teaching and Learning of Mathematics*, have now been published by the MAA. Currently, Dr. Katz is the PI on an NSF grant to the MAA that supports *Convergence*, an online magazine devoted to the history of mathematics and its use in teaching.

interesting subject. my professor was terrible but that's another story. I learned a lot from this class. sometimes the info can be a bit dense and I feel like they jump from subject to subject like they will talk about one mathematician and then another one but then go back to the original one. so you have all this material about one particular person written all over the textbook. it can make studying difficult.

I purchased this book to use for a college course. The book was in good condition, priced fairly, and arrived on time. However, when it comes to content this book can be difficult to use. The example problems that are worked out are much simpler than the chapter exercises. This makes it very difficult to complete homework. I know that a lot of interesting information about many different mathematicians is included in the book, but more detail about the actual mathematical processes

would be very useful.

So many tiny details that I have never found in other books or even searching the internet. Rambles a little, at times, when discussing the mathematics (as the author attempts to explain without using modern equations), but it really gives you a good feel for the material.

This book is an interesting read. I never thought I would enjoy reading about math but this book is very engaging

The book is very insightful. I wish that I would have read this book in my first year of teaching.

Great book! It came in good condition. :)

This book came with the spine completely broken

I have never been so into a book like this. I recommend it to anyone taking a class on the history of mathematics.

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