

MATHEMATICS VOL I: FROM ZERO LEVEL TO SUCCESSFUL SCORES ON ANY
STANDARDIZED TEST

ANNA V. EPELBAUM, Management Services Company Press, Champaign, IL,
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This practical, detailed, and copiously illustrated study guide helps students prepare for any standardized test in mathematics. The book is particularly useful for high school students preparing to take the ACT and SAT tests, but adults studying for the GED will also benefit. Students preparing for the SAT II Math IC and IIC tests would benefit from the second book in this set, MATHEMATICS VOL II.

Volume I of this two-volume set contains courses on six areas of mathematics: Word Problems; Arithmetic; Algebra; Geometry and Trigonometry; Functions and Graphs; and Sets, Statistics, and Probability. A diagnostic test at the beginning of the book quickly assesses students' skills and directs them to appropriate courses within the book for further study.

Each course explains the fundamental theoretical concepts for one area of mathematics, illustrates those concepts with graphs and charts which accelerate learning and improve knowledge retention, provides proofs and examples from previous ACT and SAT tests, and includes both assignments and study questions with answers and explanations.

Throughout the six courses, MATHEMATICS also provides students with a wide range of practical techniques for solving problems and passing standardized tests, from how to identify mathematical concepts hidden in story problems, to the proper use of scientific and graphing calculators.

Dr. Epelbaum's mathematical expertise and years of teaching experience are clear on every page of this book, but some passages read as if English is her second language, and the book as a whole would be improved by a thorough copyedit. Readers would also benefit if the book's equations were set in a font designed for mathematics, such as MathType. These issues aside, the book covers more material than most of its competitors, and Dr. Epelbaum's approach to teaching students how to prepare for standardized tests is effective.

Anna V. Epelbaum received her Ph.D. in Applied Mathematics from Moscow State University, the oldest and largest Russian university. She has taught high school and college mathematics in Russia, Italy, Austria, and the United States and has helped thousands of students prepare for standardized tests.

BookWire Review
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