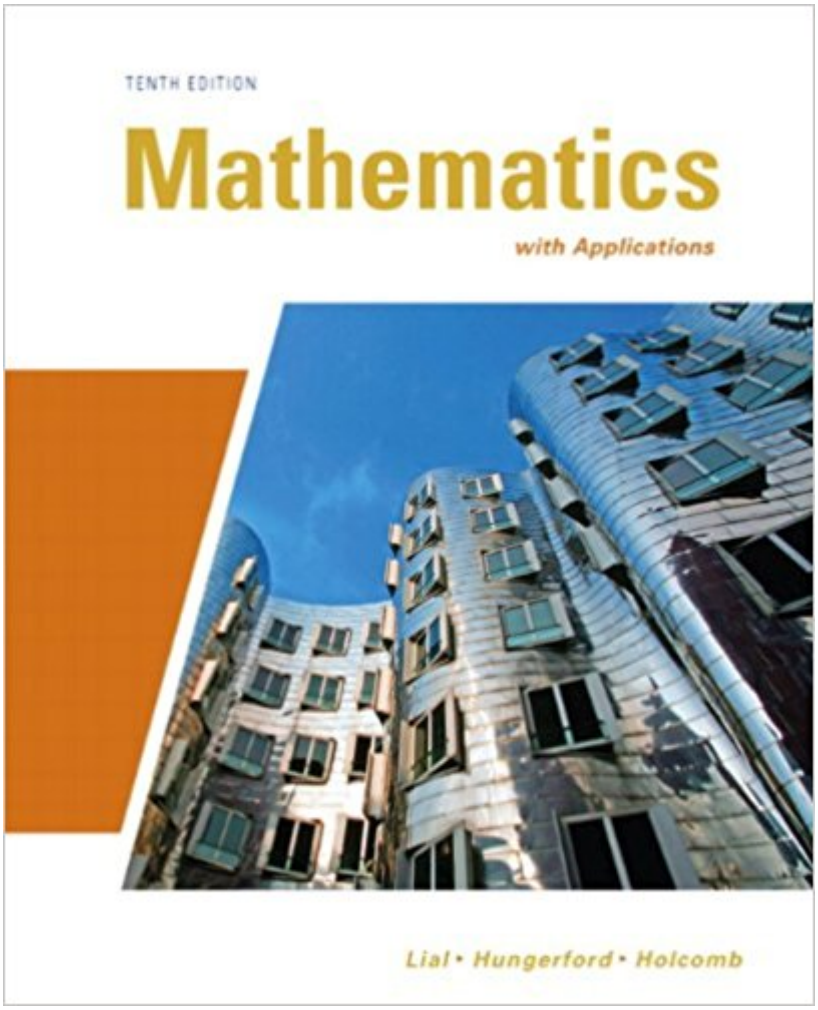
Mathematics With Applications (10th Edition) (Lial/Hungerford/Holcomb)



Synopsis

This book presents the content and applications in an accessible manner while maintaining an appropriate level of rigor. The authors proceed from familiar material to new, and from concrete examples to general rules and formulas. This edition retains its focus on real-world problem solving, but has been refreshed with a wealth of new data in the examples and exercisesÃ¢â ¬â œ39% of the 623 examples are new or revised, and 28% of the 5,288 exercises are new or revised.

Book Information

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Customer Reviews

This book presents the content and applications in an accessible manner while maintaining an appropriate level of rigor. The authors proceed from familiar material to new, and from concrete examples to general rules and formulas. This edition retains its focus on real-world problem solving, but has been refreshed with a wealth of new data in the examples and exercisesÃ¢â ¬â •39% of the 623 examples are new or revised, and 28% of the 5,288 exercises are new or revised.Algebra and Equations; Graphs, Lines, and Inequalities; Functions and Graphs; Exponential and Logarithmic Functions; Mathematics of Finance; Systems of Linear Equations and Matrices; Linear Programming; Sets and Probability; Counting, Probability Distributions, and Further Topics in Probability; Introduction to Statistics; Differential Calculus; Applications of the Derivative; Integral Calculus; Multivariate Calculus.For all readers interested in mathematics with applications.

Marge LialÃ Â has always been interested in math; it was her favorite subject in the first grade!

Marge's intense desire to educate both her students and herself has inspired the writing of numerous best-selling textbooks. Marge, who received Bachelor's and Master's degrees from California State University at Sacramento, is now affiliated with American River College. Marge is an avid reader and traveler. Her travel experiences often find their way into her books as applications, exercise sets, and feature sets. She is particularly interested in archeology. Trips to various digs and ruin sites have produced some fascinating problems for her textbooks involving such topics as the building of Mayan pyramids and the acoustics of ancient ball courts in the Yucatan. Ã Â Thomas W. Hungerford received his bachelorÃ¢â ¬â„¢s degree from Holy Cross and his Ph.D. from the University of Chicago. He taught for many years at the University of Washington (Seattle) before moving to Cleveland State University in 1980. He has been at St. Louis University since 2003. He has written a number of research articles in algebra and several in mathematics education. Dr. Hungerford is the author or coauthor of more than a dozen mathematics textbooks, ranging from high school to graduate level, several of which are published by Addison-Wesley. He is active in promoting the effective use of technology in mathematics instruction. Dr. Hungerford has also been a referee and reviewer for various mathematical journals and has served on National Science Foundation panels for selecting grant recipients. Ã Â John P. Holcomb, Jr.Ã Â received his bachelor's degree from St. Bonaventure University and his Ph.D. from the University at Albany, State University of New York. He taught for five years at Youngstown State University prior to arriving at Cleveland State University in Fall 2000. He is an associate professor and frequently collaborates with researchers in a variety of disciplines where heÃ Â provides statistical analysis. Dr. Holcomb has also authored several papers in statistical education and is very active in theÃ Â American Statistical Association and the Mathematical Association of America. He was named a Carnegie Scholar in 2000 by the Carnegie Foundation for the Advancement of Teaching and Learning and in 2003 received the Waller Award from the American Statistical Association for outstanding teaching of introductory statistics. Ã Â

This is one of the better math textbooks that I have been assigned. It maximizes the benefits of its pedagogical approach: starting with specific examples, and then outlining--step by step--how the concepts look in general mathematical form. That is, the book builds up to the "abc, xy" forms of algebraic rules in ways that are easy to follow. It effectively demonstrates connections to practical uses with its applications examples, detailing models such as marginal cost, a key idea in microeconomics. The case studies at the end of each chapter are interesting. Mid-chapter practice problems are useful for helping to grasp concepts, if needed.Some of the examples become

repetitive; "plug and chug," as it is said. By the third example of how to use a formula it might be easy to think to oneself, "Let’s move on." This book does not present much in proofs, but remember: this is an applications-focused text. I imagine it might be considered a bit simple by engineering or math majors, but this book is doing the job in helping me prepare for my public policy classes, as promised by its subtitle: "In the Management, Natural, and Social Sciences."

Good book with foundation information. Examples could be better and more theory could be given. However, it covers a lot of material in a small amount of space. Using in grad school course.

This is a terrible math text. It does not explain the concepts thoroughly. Constantly skips over steps for solving problems. Makes too many assumptions about what the student knows. I’m usually good at learning math independently, which is essentially what you have to do in an online class, which I am in. I am supplementing with Khan videos and any other free resource I can find, but still struggling.

Good book. It’s been a while since I’ve used this in class.

This is the worst Math textbook I’ve ever worked with. The book gives very poor explanation for how to understand and solve equations.My classmates and I also found many problems (50 + and counting) with the answers in the back of the book. We asked our professor and he confirmed that the problems we brought to his attention were incorrect. The writers of this book should be mandated to give back all the money they earned from this book.

This is the laziest excuse for a math textbook I’ve ever had. The explanations are very rushed and not super descriptive. I find that I have to look at the example problems a couple times to really understand the steps they are using to solve problems. Even then, I can complete a section feeling confident about the concepts and them be stumped with the homework and have to refer back to the text many times.There are on average 10 or so examples per section and are fairly basic as they expect you to build from them. Standard homework with increasing difficulty and answers to odd problems in the back.

Exactly what I needed to make that A in the class.

Love it!

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