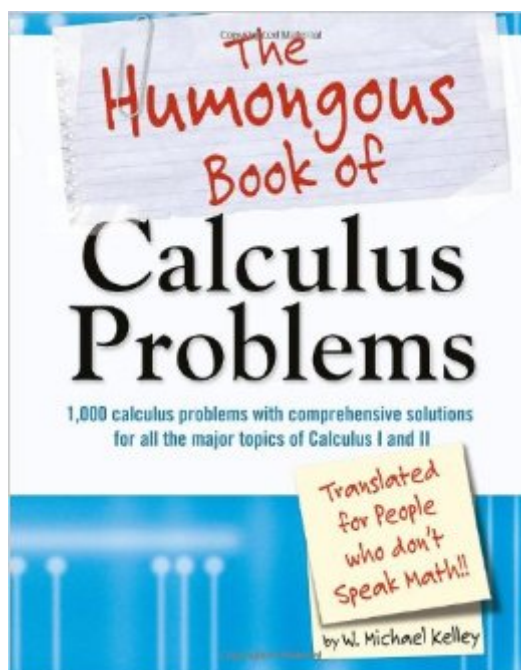# The Humongous Book Of Calculus Problems

Synopsis

Now students have nothing to fear … Math textbooks can be as baffling as the subject they’re teaching. Not anymore. The best-selling author of The Complete Idiot’s Guide to Calculus has taken what appears to be a typical calculus workbook, chock full of solved calculus problems, and made legible notes in the margins, adding missing steps and simplifying solutions. Finally, everything is made perfectly clear. Students will be prepared to solve those obscure problems that were never discussed in class but always seem to find their way onto exams. --Includes 1,000 problems with comprehensive solutions --Annotated notes throughout the text clarify what’s being asked in each problem and fill in missing steps --Kelley is a former award-winning calculus teacher

Book Information

Paperback: 576 pages

Publisher: ALPHA (January 2, 2007)

Language: English

ISBN-10: 1592575129

ISBN-13: 978-1592575121

Product Dimensions: 8.5 x 1.2 x 10.9 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 starsÂ Â See all reviewsÂ (152 customer reviews)

Best Sellers Rank: #11,880 in Books (See Top 100 in Books)   #19 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Calculus   #378 inÂ Books > Education & Teaching > Schools & Teaching

Customer Reviews

The subtitle of this book, "Translated for People Who Don't Speak Math" is a mild bit of exaggeration, that hopefully, won't establish unreasonable reader expectations. That aside, this book provides an excellent selection of examples through a fairly comprehensive set of problem statements.Although the book is quite large, the outer text margins are also fairly large, about 2 1/4". This allowed the author and publisher to include pencil looking marginal annotations inside cartoon like balloon clouds. These annotations are quite helpful and provide additional explanations to problems where required. The wide margins mean that as far as content this 565 page book is probably equivalent to a 400 page book with normal margins. Thus, it should be considered a bit less intimidating than its page count might imply.The book devotes eight chapters, over 120 pages,

to review material before getting to the concepts of calculus. This review covers topics in: Linear Equations and Inequalities, Polynomials, Rational Expressions, Functions, Logarithmic and Exponential Functions, Conic Sections, and Trigonometry (two chapters). Each Chapter of the reviews is divided into 'bite-sized' sections with, usually, between a half-dozen or more problems per section. Problems are clearly stated, often with accompanying illustrations, and solutions are thoroughly discussed with solution steps well presented. The review is followed by problems on limits and continuity, then differentiation, and integration. The book closes with problems on differential equations, sequences and series.Considering the relatively large number of problems there are fewer than expected errors. Owing to the detailed presentation of solutions most of the errors are obvious, as when in problem 3.

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