

Built from the ground up to meet the needs of today's calculus learners, Calculus was the first book to pair a complete calculus syllabus with the best elements of reform—like extensive verbalization and strong geometric visualization.

The Third Edition of this groundbreaking book has been crafted and honed, making it the book of choice for those seeking the best of both worlds. Numerous chapters offer an exciting choice of problem sets and include topics such as functions and graphs, limits and continuity, differentiation, additional applications of the derivative, integration, additional applications of the integral, methods of integration, infinite series, vectors in the plane and in space, vector-valued functions, partial differentiation, multiple integration, introduction to vector analysis, and introduction to differential equations. For individuals in fields related to engineering, science, or mathematics.

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organized. Bradely and Karl J. Smith put together is well written. The chapters are in good order for students to fully understand Calculus and its many concepts. Happy with the quality By R. It is in good condition. Add a Book Review Book Summary: The title of this book is Calculus 3rd Edition and it was written by Monty J. Strauss , Gerald L. Bradley , Karl J. This particular edition is in a Hardcover format. It was published by Prentice Hall and has a total of pages in the book. To buy this book at the lowest price, [Click Here](#).

Chapter 2 : Calculus by Strauss, Monty J

Built from the ground up to meet the needs of today's calculus learners, "Calculus" was the first book to pair a complete calculus syllabus with the best elements of reform--like extensive verbalization and strong geometric visualization.

Description For courses in Calculus for students majoring in engineering, science, and math. The Third Edition of this groundbreaking text has been crafted and honed, making it the text of choice for those seeking the best of both worlds. This text also features the most varied, challenging and compelling exercise sets of any text in the market. Strauss, a dedicated user, has been brought on for this revision. He is making sure that every word, every number, and each calculation is precisely and accurately done. Helps students to see how calculus relates to and is used in multiple disciplines. NEW - Cumulative reviews added at appropriate points in single variable calculus. Allows students to quickly reference review material. NEW - Material on polar coordinates and parametric forms is now integratedâ€”Polar coordinates have been moved to Chapter 6 and parametric representations have been moved to the chapter on vectors in the plane and space. NEW - Multivariable Calculus is extensively rewritten, with new problem sets added. Gives students a solid introduction to multivariable calculus. Also increases the value of this text as a reference guide for those taking further advanced classes. Also contains Student Math Handbook. Allows instructors to explore more interesting applications like curve sketching. NEW - Curve sketching using first and second derivative tests in one section. NEW - Volumes by disks, washers, and shells in one section. NEW - Appendix with trigonometric formulas. More fluid introduction of transcendental functionsâ€”Introduced early and then integrated throughout the first five chapters of the text. Now occurs after the concept of a limit to increase student comprehension. Modeling is emphasized throughoutâ€”Introduced in Chapter 3 and integrated throughout the rest of the book. Greater text visualizationâ€”There is more use of graphs and other mathematical pictures throughout the text than in the previous edition. Over 1, graphs appearâ€”more than nearly any other calculus text. Strong coverage of differential equationsâ€”Slope fields are introduced as a geometric view of antidifferentiation in Section 5. Separable differential equations are considered in Chapter 5 and first-order linear equations in Chapter 7. Chapter 14 covers exact and homogeneous differential equations as well as an introduction to second-order linear equations. Since students in many applied disciplines need to use differential equations early in their studies, this approach is intended to illustrate their value in continuous modeling and to provide a solid foundation for further study. Allows students to enhance their learning experience by entering the mathematical world on-line. Superb range of problem sets Many of which are new that test student skills in a wide variety of ways.

Chapter 3 : Monty J. Strauss (Author of Calculus)

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Chapter 4 : Calculus by Monty J. Strauss

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Chapter 5 : Pearson - Calculus, 3/E - Monty J. Strauss, Gerald L. Bradley & Karl J. Smith

Monty J. Strauss is the author of Calculus (avg rating, 39 ratings, 3 reviews, published), Student's Solution Manual and Survival Manual for Ca.

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