

Brief Calculus Its Applications 12th Edition Solutions

The ninth edition continues to provide engineers with an accessible resource for learning calculus. The book includes carefully worked examples and special problem types that help improve comprehension. New applied exercises demonstrate the usefulness of the mathematics. Additional summary tables with step-by-step details are also incorporated into the chapters to make the concepts easier to understand. The Quick Check and Focus on Concepts exercises have been updated as well. Engineers become engaged in the material because of the easy-to-read style and real-world examples.

NOTE: This loose-leaf, three-hole punched version of the textbook gives you the flexibility to take only what you need to class and add your own notes -- all at an affordable price. For loose-leaf editions that include MyLab(TM) or Mastering(TM), several versions may exist for each title and registrations are not transferable. You may need a Course ID, provided by your instructor, to register for and use MyLab or Mastering products. For one-semester courses in Applied Calculus. Anticipating and meeting student needs Calculus and Its Applications, Brief Version remains a best-selling text because of its intuitive approach that anticipates student needs, and a writing style that pairs clear explanations with carefully crafted figures to help students visualize concepts. Key enhancements in the 12th Edition include the earlier introduction of logarithmic and exponential functions to help students master these important functions and their applications. The text's accompanying MyLab(TM) Math course also has been revised substantially, as new co-author Gene Kramer (University of Cincinnati, Blue Ash) revisited every homework question and learning aid to improve content clarity and accuracy. These and all other aspects of the new edition are designed to motivate and help students more readily understand and apply principles of calculus. Note: The title of this text was formerly Calculus and Its Applications. Also available with MyLab Math By combining trusted author content with digital tools and a flexible platform, MyLab Math personalizes the learning experience and improves results for each student. Note: You are purchasing a standalone product; MyLab Math does not come packaged with this content. Students, if interested in purchasing this title with MyLab Math, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab Math, search for: 0135308011 / 9780135308011 Calculus and Its Applications, Loose-leaf Version, plus MyLab Math with Pearson eText - Title-Specific Access Card Package

This book is an introduction to the language and standard proof methods of mathematics. It is a bridge from the computational courses (such as calculus or differential equations) that students typically encounter in their first year of college to a more abstract outlook. It lays a foundation for more theoretical courses such as topology, analysis and abstract algebra. Although it may be more meaningful to the student who has had some calculus, there is really no prerequisite other than a measure of mathematical maturity.

This manual includes worked-out solutions to every odd-numbered exercise in Multivariable Calculus (Chapters 10-15 of Calculus and Chapters 9-14 of Calculus: Early Transcendentals).

Calculus Late Transcendentals Single Variable

An Applied Approach

Mathematics With Applications

Concepts and Contexts

Calculus

Mathematical Time Capsules offers teachers historical modules for immediate use in the mathematics classroom. Readers will find articles and activities from mathematics history that enhance the learning of topics covered in the undergraduate or secondary mathematics curricula. Each capsule presents at least one topic or a historical thread that can be used throughout a course. The capsules were written by experienced practitioners to provide teachers with historical background and classroom activities designed for immediate use in the classroom, along with further references and resources on the chapter subject. --Publisher description.

This extremely readable, highly regarded, and widely adopted text present innovative ways for applying calculus to real-world situations in the business, economics, life science, and social science disciplines. The text's straightforward, engaging approach fosters the growth of both mathematical maturity and an appreciation for the usefulness of mathematics. The authors' tried and true formula -- pairing substantial amounts of graphical analysis and informal geometric proofs with an abundance of hands-on exercises -- has proven to be tremendously successful. Functions, derivatives, applications of the derivative, techniques of differentiations, exponential and natural logarithm functions, definite integral, variables, trigonometric functions, integration, differential equations, Taylor polynomials and probability. For individuals interested in an introduction to calculus applications.

General Fractional Derivatives with Applications in Viscoelasticity introduces the newly established fractional-order calculus operators involving singular and non-singular kernels with applications to fractional-order viscoelastic models from the calculus operator viewpoint. Fractional calculus and its applications have gained considerable popularity and importance because of their applicability to many seemingly diverse and widespread fields in science and engineering. Many operations in physics and engineering can be defined accurately by using fractional derivatives to model complex phenomena. Viscoelasticity is chief among them, as the general fractional calculus approach to viscoelasticity has evolved as an empirical method of describing the properties of viscoelastic materials. General Fractional Derivatives with Applications in Viscoelasticity makes a concise presentation of general fractional calculus. Presents a comprehensive overview of the fractional derivatives and their applications in viscoelasticity Provides help in handling the power-law functions Introduced and explores the questions about general fractional derivatives and its applications

NOTE: You are purchasing a standalone product; MyMathLab does not come packaged with this content. If you would like to purchase both the physical text and MyMathLab, search for: 013379556X / 9780133795561 Calculus And Its Applications Plus MyMathLab with Pearson eText -- Access Card Package Package consists of: 0321431308 / 9780321431301 MyMathLab -- Glue-in Access Card 0321654064 / 9780321654069 MyMathLab Inside Star Sticker 0321979397 / 9780321979391 Calculus And Its Applications MyMathLab should only be purchased when required by an instructor. Calculus and Its Applications, Eleventh Edition, remains a best-selling text because of its accessible presentation that anticipates student needs. The writing style is ideal for today's students, providing intuitive explanations that work with the carefully crafted artwork to help them visualize new calculus concepts. Additionally, the text's numerous and up-to-date applications from business, economics, life sciences, and social sciences help motivate students. Algebra diagnostic and review material is available for those who need to strengthen basic skills. Every aspect of this revision is designed to motivate and help students to more readily understand and apply the mathematics.

Brief Calculus & Its Applications

Calculus and Its Applications - Mylab Math With Pearson Etext Standalone Access Card

Introduction to Real Analysis

Guangzhou, China, November 2017

Historical Modules for the Mathematics Classroom

This book presents a concise treatment of stochastic calculus and its applications. It gives a simple but rigorous treatment of the subject including a range of advanced topics, it is useful for practitioners who use advanced theoretical results. It covers advanced applications, such as models in mathematical finance, biology and engineering.Self-contained and unified in presentation, the book contains many solved examples and exercises. It may be used as a textbook by advanced undergraduates and graduate students in stochastic calculus and financial mathematics. It is also suitable for practitioners who wish to gain an understanding or working knowledge of the subject. For mathematicians, this book could be a first text on stochastic calculus; it is good companion to more advanced texts by a way of examples and exercises. For people from other fields, it provides a way to gain a working knowledge of stochastic calculus. It shows all readers the applications of stochastic calculus methods and takes readers to the technical level required in research and sophisticated modelling.This second edition contains a new chapter on bonds, interest rates and their options. New materials include more worked out examples in all chapters, best estimators, more results on change of time, change of measure, random measures, new results on exotic options, FX options, stochastic and applied volatility, models of the age-dependent branching process and the stochastic Lotka-Volterra model in biology, non-linear filtering in engineering and five new figures. Instructors can obtain slides of the text from the author.

Calculus for Business, Economics, and the Social and Life Sciences introduces calculus in real-world contexts and provides a sound, intuitive understanding of the basic concepts students need as they pursue careers in business, the life sciences, and the social sciences. The new Ninth Edition builds on the straightforward writing style, practical applications from a variety of disciplines, clear step-by-step problem solving techniques, and comprehensive exercise sets that have been hallmarks of Hoffmann/Bradley's success through the years.

MyLab Math Standalone Access Card to accompany Bittinger/Ellenbogen/Surgent, Calculus and Its Applications, Brief Version, 12/e This item is an access card for MyLab(TM) Math. This physical access card includes an access code for your MyLab Math course. In order to access the online course you will also need a Course ID, provided by your instructor. This title-specific access card provides access to the Bittinger/Ellenbogen/Surgent, Calculus and Its Applications, Brief Version, 12/e accompanying MyLab course ONLY. 0135256267 / 9780135256268 MYLAB MATH WITH PEARSON ETEXT -- STANDALONE ACCESS CARD -- FOR CALCULUS AND ITS APPLICATIONS, BRIEF VERSION, 12/e MyLab Math is the world's leading online tutorial, and assessment program designed to help you learn and succeed in your mathematics course. MyLab Math online courses are created to accompany one of Pearson's best-selling math textbooks. Every MyLab Math course includes a complete, interactive eText. Learn more about MyLab Math. ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase.

Using an extremely clear and informal approach, this book introduces readers to a rigorous understanding of mathematical analysis and presents challenging math concepts as clearly as possible. The real number system. Differential calculus of functions of one variable. Riemann integral functions of one variable. Integral calculus of real-valued functions. Metric Spaces. For those who want to gain an understanding of mathematical analysis and challenging mathematical concepts.

Calculus for Business, Economics, and the Social and Life Sciences

A Second Course in Calculus, [with] Instructor's Manual

Calculus and Its Applications

Calculus and Its Applications, Brief Version, Books a La Carte Edition

Theory and Application

Kiss My Math meets A Tour of the Calculus Jennifer Ouellette never took math in college, mostly because she-like most people-assumed that she wouldn't need it in real life. But then the English-major-turned-award-winning-science-writer had a change of heart and decided to revisit the equations and formulas that had haunted her for years. The Calculus Diaries is the fun and fascinating account of her year spent confronting her math phobia head on. With wit and verve, Ouellette shows how she learned to apply calculus to everything from gas mileage to dieting, from the rides at Disneyland to shooting craps in Vegas-proving that even the mathematically challenged can learn the fundamentals of the universal language.

Fractional Calculus and Fractional Processes with Applications to Financial Economics presents the theory and application of fractional calculus and fractional processes to financial data. Fractional calculus dates back to 1695 when Gottfried Wilhelm Leibniz first suggested the possibility of fractional derivatives. Research on fractional calculus started in full earnest in the second half of the twentieth century. The fractional paradigm applies not only to calculus, but to stochastic processes, used in many applications in financial economics such as modelling volatility, interest rates, and modelling high-frequency data. The key features of fractional processes that make them interesting are long-range memory, path-dependence, non-Markovian properties, self-similarity, fractal paths, and anomalous diffusion behaviour. In this book, the authors discuss how fractional calculus and fractional processes are used in financial modelling and finance economic theory. It provides a practical guide that can be useful for students, researchers, and quantitative asset and risk managers interested in applying fractional calculus and fractional processes to asset pricing, financial time-series analysis, stochastic volatility modelling, and portfolio optimization. Provides the necessary background for the book's content as applied to financial economics Analyzes the application of fractional calculus and fractional processes from deterministic and stochastic perspectives

In this book, we study theoretical and practical aspects of computing methods for mathematical modelling of nonlinear systems. A number of computing techniques are considered, such as methods of operator approximation with any given accuracy: operator interpolation techniques including a non-Lagrange interpolation: methods of system representation subject to constraints associated with concepts of causality, memory and stationarity: methods of system representation with an accuracy that is the best within a given class of models: methods of covariance matrix estimation: methods for low-rank matrix approximations: hybrid methods based on a combination of iterative procedures and best operator approximation: and methods for information compression and filtering under condition that a filter model should satisfy restrictions associated with causality and different types of memory. As a result, the book represents a blend of new methods in general computational analysis, and specific, but also generic, techniques for study of systems theory ant its particular branches, such as optimal filtering and information compression. - Best operator approximation. - Non-Lagrange interpolation. - Generic Karhunen-Loeve transform - Generalised low-rank matrix approximation - Optimal data compression - Optimal nonlinear filtering

'Calculus with Applications' is the authors' most applied text to date, making the math relevant and accessible for students of business, life science, and social sciences. Current applications, many using real data, are incorporated in numerous forms throughout the book, preparing students for success in their professional careers.

Applied Calculus

General Fractional Derivatives with Applications in Viscoelasticity

The Calculus Diaries

Calculus and Its Applications Expanded Version

Statistics and Probability for Engineering Applications

Appropriate for a two-term course, this text is an introduction to calculus as applied to business, economics, the life- and physical sciences, the social sciences, and many general areas of interest to students. A course in intermediate algebra is prerequisite for the text. This revised and update

Normal false base false Goldstein's Brief Calculus and Its Applications. Twelfth Edition is a comprehensive print and online program for readers interested in business, economics, life science, or social sciences. Without sacrificing mathematical integrity, the book clearly presents the concepts with a large quantity of exceptional, in-depth exercises. The authors' proven formula--pairing substantial amounts of graphical analysis and informal geometric proofs with an abundance of exercises--has proven to be tremendously successful with both students and instructors. The textbook is supported by a wide array of supplements as well as MyMathLab® and MathXL®, the most widely adopted and acclaimed online homework and assessment system on the market. Functions; The Derivative; Applications of the Derivative; Techniques of Differentiation; Logarithm Functions; Applications of the Exponential and Natural Logarithm Functions; The Definite Integral; Functions of Several Variables; The Trigonometric Functions; Techniques of Integration For all readers interested in applied calculus.

For one- or two-semester courses in Calculus for students majoring in business, social sciences, and life sciences. Intuition before Formality Calculus & Its Applications builds intuition with key concepts of calculus before the analytical material. For example, the authors explain the derivative geometrically before they present limits, and they introduce the definite integral intuitively via the notion of net change before they discuss Riemann sums. The strategic organization of topics makes it easy to adjust the level of theoretical material covered. The significant applications introduced early in the course serve to motivate students and make the mathematics more accessible. Another unique aspect of the text is its intuitive use of differential equations to model a variety of phenomena in Chapter 5, which addresses applications of exponential and logarithmic functions. Time-tested, comprehensive exercise sets are flexible enough to align with each instructor's needs, and new exercises and resources in MyLab™ Math help develop not only skills, but also conceptual understanding, visualization, and applications. The 14th Edition features updated exercises, applications, and technology coverage, presenting calculus in an intuitive yet intellectually satisfying way. Also available with MyLab Math MyLab™ Math is an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them absorb course material and understand difficult concepts. In the new edition, MyLab Math has expanded to include a suite of new videos, Interactive Figures, exercises that require step-by-step solutions, conceptual questions, calculator support, and more. Note: You are purchasing a standalone product; MyLab does not come packaged with this content. Students, if interested in purchasing this title with MyLab, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab, search for: 013476868X / 9780134768687 Calculus & Its Applications plus MyLab Math with Pearson eText -- Title-Specific Access Card Package. 14e Package consists of: 0134437772 / 9780134437774 Calculus & Its Applications 0134765699 / 9780134765693 MyLab Math with Pearson eText -- Standalone Access Card -- For Calculus & Its Applications

This edition features the exact same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value--this format costs significantly less than a new textbook. This is the brief version of Calculus and Its Applications. Thirteenth Edition, containing chapters 1-9. Calculus and Its Applications, Thirteenth Edition is a comprehensive, yet flexible, text for students majoring in business, economics, life science, or social sciences. The authors delve into greater mathematical depth than other texts while motivating students through relevant, up-to-date, applications drawn from students' major fields of study. The authors motivate key ideas geometrically and intuitively, providing a solid foundation for the more abstract treatments that follow. Every chapter includes a large quantity of exceptional exercises--hallmark of this text--that address skills, applications, concepts, and technology. The Thirteenth Edition includes updated applications, exercises, and technology coverage. The authors have also added more study tools, including a prerequisite skills diagnostic test and a greatly improved end-of-chapter summary, and made content improvements based on user reviews.

Brief Calculus

Book of Proof

Thomas' Calculus

Solutions Manual, Benice, Calculus and Its Applications, Brief Calculus and Its Applications

Stewart's CALCULUS: CONCEPTS AND CONTEXTS, 3rd Edition focuses on major concepts and supports them with precise definitions, patient explanations, and carefully graded problems. Margin notes clarify and expand on topics presented in the body of the text. The Tools for Enriching Calculus CD-ROM contains visualizations, interactive modules, and homework hints that enrich your learning experience. iLrn Homework helps you identify where you need additional help, and Personal Tutor with SMARTTHINKING gives you live, one-on-one online help from an experienced calculus tutor. In addition, the Interactive Video Skillbuilder CD-ROM takes you step-by-step through examples from the book. The new Enhanced Review Edition includes new practice tests with solutions, to give you additional help with mastering the concepts needed to succeed in the course. CK-12 Foundation's Single Variable Calculus FlexBook introduces high school students to the topics covered in the Calculus AB course. Topics include: Limits, Derivatives, and Integration.

Designed specifically for the non-math major who will be using calculus in business, economics, or life and social science courses, Brief Calculus: An Applied Approach, 7/e, addresses students' weak math skills through added structure and guidance on how to study math. Special student-success-oriented sections include chapter-opening Strategies for Success; What You Should Learn--and Why You Should Learn It; Section Objectives; Chapter Summaries and Study Strategies; Try Its; Study Tips; and Warm-Up exercises. In addition the text presents Algebra Tips at point of use and Algebra Review at the end of each chapter.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. This is an expanded version of Calculus and Its Applications, Tenth Edition, by Bittinger, Ellenbogen, and Surgent. This edition adds coverage of trigonometric functions, differential equations, sequences and series, probability distributions, and matrices. Calculus and Its Applications has become a best-selling text because of its accessible presentation that anticipates your needs. The writing style provides intuitive explanations that build on earlier mathematical experiences. Explanations are often coupled with figures to help you visualize new calculus concepts. Additionally, the text 's numerous and up-to-date applications from business, economics, life sciences, and social sciences help motivate you. Algebra diagnostic and review material is available for those who need to strengthen basic skills. Every aspect of this text is designed to motivate and help you to more readily understand and apply the mathematics.

Advanced Calculus

Mathematical Time Capsules

Brief Version

Schubert Calculus and Its Applications in Combinatorics and Representation Theory

Single Variable Calculus

The first part of this book reviews some key topics on multi-variable advanced calculus. The approach presented includes detailed and rigorous studies on surfaces in Rn which comprises items such as differential forms and an abstract version of the Stokes Theorem in Rn. The conclusion section introduces readers to Riemannian geometry, which is used in the subsequent chapters. The second part reviews applications, specifically in variational quantum mechanics and relativity theory. Topics such as a variational formulation for the relativistic Klein-Gordon equation, the derivation of a variational formulation for relativistic mechanics firstly through (semi)-Riemannian geometry are covered. The second part has a more general context. It includes fundamentals of differential geometry. The later chapters describe a new interpretation for the Bohr atomic model through a semi-classical approach. The book concludes with a classical description of the radiating cavity model in quantum mechanics.

Rev. ed. of: Calculus & Its Applications / I. J. Goldstein, D. C. Lay, D. I. Schneider, 11th ed. 2006.

Statistics and Probability for Engineering Applications provides a complete discussion of all the major topics typically covered in a college engineering statistics course. This textbook minimizes the derivations and mathematical theory, focusing instead on the information and techniques most needed and used in engineering applications. It is filled with practical techniques directly applicable on the job. Written by an experienced industry engineer and statistics professor, this book makes learning statistical methods easier for today's student. This book can be read sequentially like a normal textbook, but it is designed to be used as a handbook, pointing the reader to the topics and sections pertinent to a particular type of statistical problem. Each new concept is clearly and briefly described, whenever possible by relating it to previous topics. Then the student is given carefully chosen examples to deepen understanding of the basic ideas and how they are applied in engineering. The examples and case studies are taken from real-world engineering problems and use real data. A number of practice problems are provided for each section, with answers in the back for selected problems. This book will appeal to engineers in the entire engineering spectrum (electronics/electrical, mechanical, chemical, and civil engineering); engineering students and students taking computer science/computer engineering graduate courses; scientists needing to use applied statistical methods; and engineering technicians and technologists. * Filled with practical techniques directly applicable on the job * Contains hundreds of solved problems and case studies, using real data sets * Avoids unnecessary theory

This book gathers research papers and surveys on the latest advances in Schubert Calculus, presented at the International Festival in Schubert Calculus, held in Guangzhou, China on November 6-10, 2017. With roots in enumerative geometry and Hilbert's 15th problem, modern Schubert Calculus studies classical and quantum intersection rings on spaces with symmetries, such as flag manifolds. The presence of symmetries leads to particularly rich structures, and it connects Schubert Calculus to many branches of mathematics, including algebraic geometry, combinatorics, representation theory, and theoretical physics. For instance, the study of the quantum cohomology ring of a Grassmann manifold combines all these areas in an organic way. The book is useful for researchers and graduate students interested in Schubert Calculus, and more generally in the study of flag manifolds in relation to algebraic geometry, combinatorics, representation theory and mathematical physics.

Calculus with Applications, Brief Version

Modeling and Application

Advanced Calculus and Its Applications in Variational Quantum Mechanics and Relativity Theory

Calculus & Its Applications

Early Transcendentals

This extremely readable, highly regarded, and widely adopted text present innovative ways for applying calculus to real-world situations in the business, economics, life science, and social science disciplines. The text's straightforward, engaging approach fosters the growth of both mathematical maturity and an appreciation for the usefulness of mathematics. The authors' tried and true formula -- pairing substantial amounts of graphical analysis and informal geometric proofs with an abundance of hands-on exercises -- has proven to be tremendously successful. Functions, derivatives, applications of the derivative, techniques of differentiations, exponential and natural logarithm functions, definite integral, variables and trigonometric functions. For individuals interested in a brief introduction to calculus applications.

For one-semester courses in Applied Calculus. Anticipating and meeting student needs Calculus and Its Applications, Brief Version remains a best-selling text because of its intuitive approach that anticipates student needs, and a writing style that pairs clear explanations with carefully crafted figures to help students visualize concepts. Key enhancements in the 12th Edition include the earlier introduction of logarithmic and exponential functions to help students master these important functions and their applications. The text's accompanying MyLab(tm) Math course also has been revised substantially, as new co-author Gene Kramer (University of Cincinnati, Blue Ash) revisited every homework question and learning aid to improve content clarity and accuracy. These and all other aspects of the new edition are designed to motivate and help students more readily understand and apply principles of calculus. Note: The title of this text was formerly Calculus and Its Applications. Also available with MyLab Math By combining trusted author content with digital tools and a flexible platform, MyLab Math personalizes the learning experience and improves results for each student. Note: You are purchasing a standalone product; MyLab Math does not come packaged with this content. Students, if interested in purchasing this title with MyLab Math, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab Math, search for: 0135308038 / 9780135308035 Calculus and Its Applications, Brief Version, plus MyLab Math with Pearson eText - Title-Specific Access Card Package Package consists of: 0135164885 / 9780135164884 Calculus and Its Applications, Brief Version 0135256267 / 9780135256268 MyLab Math with Pearson eText - Standalone Access Card - for Calculus and Its Applications

Starting with an abstract treatment of vector spaces and linear transforms, this introduction presents a corresponding theory of integration and concludes with applications to analytic functions of complex variables. 1959 edition.

Calculus with Applications, Tenth Edition (also available in a Brief Version containing Chapters 1-9) by Lial, Greenwell, and Ritchey, is our most applied text to date, making the math relevant and accessible for students of business, life science, and social sciences. Current applications, many using real data, are incorporated in numerous forms throughout the book, preparing students for success in their professional careers. With this edition, students will find new ways to get involved with the material, such as Your Turn exercises and Apply It vignettes that encourage active participation. The MyMathLab(r) course for the text provides additional learning resources for students, such as video tutorials, algebra help, step-by-step examples, and graphing calculator help. The course also features many more assignable exercises than the previous edition.

CK-12 Calculus

Calculus and Its Applications, Brief Version Plus Mylab Math with Pearson Etext - 18-Week Access Card Package

The Fractional Calculus Theory and Applications of Differentiation and Integration to Arbitrary Order

Introduction to Stochastic Calculus with Applications

Brief Calculus and Its Applications

Gilbert Strang's clear, direct style and detailed, intensive explanations make this textbook ideal as both a course companion and for self-study. Single variable and multivariable calculus are covered in depth. Key examples of the application of calculus to areas such as physics, engineering and economics are included in order to enhance students' understanding. New to the third edition is a chapter on the 'Highlights of calculus', which accompanies the popular video lectures by the author on MIT's OpenCourseWare. These can be accessed from math.mit.edu/~gs.

NOTE: This loose-leaf, three-hole punched version of the textbook gives you the flexibility to take only what you need to class and add your own notes -- all at an affordable price. For loose-leaf editions that include MyLab(tm) or Mastering(tm), several versions may exist for each title and registrations are not transferable. You may need a Course ID, provided by your instructor, to register for and use MyLab or Mastering products. For one-semester courses in Applied Calculus. Anticipating and meeting student needs Calculus and Its Applications, Brief Version remains a best-selling text because of its intuitive approach that anticipates student needs, and a writing style that pairs clear explanations with carefully crafted figures to help students visualize concepts. Key enhancements in the 12th Edition include the earlier introduction of logarithmic and exponential functions to help students master these important functions and their applications. The text's accompanying MyLab(tm) Math course also has been revised substantially, as new co-author Gene Kramer (University of Cincinnati, Blue Ash) revisited every homework question and learning aid to improve content clarity and accuracy. These and all other aspects of the new edition are designed to motivate and help students more readily understand and apply principles of calculus. Note: The title of this text was formerly Calculus and Its Applications. Also available with MyLab Math By combining trusted author content with digital tools and a flexible platform, MyLab Math personalizes the learning experience and improves results for each student. Note: You are purchasing a standalone product; MyLab Math does not come packaged with this content. Students, if interested in purchasing this title with MyLab Math, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab Math, search for: 0135308011 / 9780135308011 Calculus and Its Applications, Loose-leaf Version, plus MyLab Math with Pearson eText - Title-Specific Access Card Package

Fractional Calculus and Fractional Processes with Applications to Financial Economics

Calculus with Applications