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MATHEMATICAL APPLICATIONS FOR THE MANAGEMENT, LIFE, AND SOCIAL SCIENCES

Cengage Learning MATHEMATICAL APPLICATIONS FOR THE MANAGEMENT, LIFE, AND SOCIAL SCIENCES, 10th Edition, is intended for a two-semester applied calculus or combined finite mathematics and applied calculus course. The book's concept-based approach, multiple presentation methods, and interesting and relevant applications keep students who typically take the course--business, economics, life sciences, and social sciences majors--engaged in the material. This edition broadens the book's real-life context by adding a number of environmental science and economic applications. The use of modeling has been expanded, with modeling problems now clearly labeled in the examples. Also included in the Tenth Edition is a brief review of algebra to prepare students with different backgrounds for the material in later chapters. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Examples and You Try It problems. Student engagement is crucial to success. Presenting students with worked examples, and then providing them with the opportunity to immediately solve similar problems, helps them build their confidence and eventually master the concepts. Simplicity is key in the organization of this edition, as in all other editions. All lessons, exercise sets, tests, and supplements are organized around a carefully constructed hierarchy of objectives. Each exercise mirrors a preceding objective, which helps to reinforce key concepts and promote skill building. This clear, objective-based approach allows students to organize their thoughts around the content, and supports instructors as they work to design syllabi, lesson plans, and other administrative documents. New features like Focus on Success, Apply the Concept, and Concept Check add an increased emphasis on study skills and conceptual understanding to strengthen the foundation of student success. The Sixth Edition also features a new design, enhancing the Aufmann Interactive Method and making the pages easier for both students and instructors to follow. Available with InfoTrac Student Collections <http://gocengage.com/infotrac>. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

INTERMEDIATE ALGEBRA: EVERYDAY EXPLORATIONS

Cengage Learning Kaseberg/Cripe/Wildman's respected INTERMEDIATE ALGEBRA is known for an informal, interactive style that makes algebra more accessible to students while maintaining a high level of mathematical accuracy. This new edition introduces two new co-authors, Greg Cripe and Peter Wildman. The three authors have created a new textbook that introduces new pedagogy to teach students how to be better prepared to succeed in math and then life by strengthening their ability to solve critical-thinking problems. This text's popularity is attributable to the author's use of guided discovery, explorations, and problem solving, all of which help students learn new concepts and strengthen their skill retention. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Cengage Learning Algebra can be like a foreign language, but ELEMENTARY AND INTERMEDIATE ALGEBRA, 5E, gives you the tools and practice you need to fully understand the language of algebra and the why behind problem solving. Using Strategy and Why explanations in worked examples and a six-step problem solving strategy, ELEMENTARY AND INTERMEDIATE ALGEBRA, 5E, will guide you through an integrated learning process that will expand your reasoning abilities as it teaches you how to read, write, and think mathematically. Feel confident about your skills through additional practice in the text and Enhanced WebAssign. With ELEMENTARY AND INTERMEDIATE ALGEBRA, 5E, algebra will make sense because it is not just about the x...it's also about the WHY. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

THE FRACTIONAL TRIGONOMETRY

WITH APPLICATIONS TO FRACTIONAL DIFFERENTIAL EQUATIONS AND SCIENCE

John Wiley & Sons Addresses the rapidly growing field of fractional calculus and provides simplified solutions for linear commensurate-order fractional differential equations The Fractional Trigonometry: With Applications to Fractional Differential Equations and Science is the result of the authors' work in fractional calculus, and more particularly, in functions for the solutions of fractional differential equations, which is fostered in the behavior of generalized exponential functions. The authors discuss how fractional trigonometry plays a role analogous to the classical trigonometry for the fractional calculus by providing solutions to linear fractional differential equations. The book begins with an introductory chapter that offers insight into the fundamentals of fractional calculus, and topical coverage is then organized in two main parts. Part One develops the definitions and theories of fractional exponentials and fractional trigonometry. Part Two provides insight into various areas of potential application within the sciences. The fractional exponential function via the fundamental fractional differential equation, the generalized exponential function, and R-function relationships are discussed in addition to the fractional hyperboletry, the R1-fractional trigonometry, the R2-fractional trigonometry, and the R3-trigonometric functions. The Fractional Trigonometry: With Applications to Fractional Differential Equations and Science also: Presents fractional trigonometry as a tool for scientists and engineers and discusses how to apply fractional-order methods to the current toolbox of mathematical modelers Employs a mathematically clear presentation in an effort to make the topic broadly accessible Includes solutions to linear fractional differential equations and generously features graphical forms of functions to help readers visualize the presented concepts Provides effective and efficient methods to describe complex structures The Fractional Trigonometry: With Applications to Fractional Differential Equations and Science is an ideal reference for academic researchers, research engineers, research scientists, mathematicians, physicists, biologists, and chemists who need to apply new fractional calculus methods to a variety of disciplines. The book is also appropriate as a textbook for graduate- and PhD-level courses in fractional calculus. Carl F. Lorenzo is Distinguished Research Associate at the NASA Glenn Research Center in Cleveland, Ohio. His past positions include chief engineer of the Instrumentation and Controls Division and chief of the Advanced Controls Technology and Systems Dynamics branches at NASA. He is internationally recognized for his work in the development and application of the fractional calculus and fractional trigonometry. Tom T. Hartley, PhD, is Emeritus Professor in the Department of Electrical and Computer Engineering at The University of Akron. Dr Hartley is a recognized expert in fractional-order systems, and together with Carl Lorenzo, has solved fundamental problems in the area including Riemann's complementary-function initialization function problem. He received his PhD in Electrical Engineering from Vanderbilt University.

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ELEMENTARY AND INTERMEDIATE ALGEBRA: A COMBINED APPROACH

Cengage Learning Master the fundamentals of algebra with Kaufmann and Schwitters' ELEMENTARY AND INTERMEDIATE ALGEBRA: A COMBINED APPROACH, Sixth Edition. Learn from clear and concise explanations, many examples, and numerous problem sets in an easy-to-read format. The book's Learn, Use and Apply formula helps you learn a skill, use the skill to solve equations, and then apply it to solve application problems. This simple, straightforward approach helps you understand and apply the key problem-solving skills necessary for success in algebra and beyond. Access to Enhanced WebAssign and the Cengage YouBook is sold separately. To learn more and find value bundles, visit: www.cengagebrain.com and search for ISBN: 0840053142. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

DISCRETE MATHEMATICS WITH APPLICATIONS

Cengage Learning Susanna Epp's DISCRETE MATHEMATICS WITH APPLICATIONS, FOURTH EDITION provides a clear introduction to discrete mathematics. Renowned for her lucid, accessible prose, Epp explains complex, abstract concepts with clarity and precision. This book presents not only the major

themes of discrete mathematics, but also the reasoning that underlies mathematical thought. Students develop the ability to think abstractly as they study the ideas of logic and proof. While learning about such concepts as logic circuits and computer addition, algorithm analysis, recursive thinking, computability, automata, cryptography, and combinatorics, students discover that the ideas of discrete mathematics underlie and are essential to the science and technology of the computer age. Overall, Epp's emphasis on reasoning provides students with a strong foundation for computer science and upper-level mathematics courses. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

APPLIED CALC

Cengage Learning Created through a student-tested, faculty-approved review process APPLIED CALC is an engaging and accessible solution to accommodate the diverse lifestyles of today's learners at a value-based price. Geared toward business and social science majors, this text equips students with the analytical tools and technological skills they need to be successful in the workplace. Straightforward language and writing style promote conceptual understanding, and the incorporation of real-life applications, examples, and data helps engage students--even those with minimal interest in mathematics. An innovative combination of content delivery both in print and online provides a core text and a wealth of comprehensive multimedia teaching and learning assets, including end-of-chapter review cards, downloadable flashcards and practice problems, online video tutorials, solutions to exercises aimed at supplementing learning outside of the classroom. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

INTERMEDIATE ALGEBRA: ALGEBRA WITHIN REACH

Cengage Learning Larson IS student success. INTERMEDIATE ALGEBRA: ALGEBRA WITHIN REACH owes its success to the hallmark features for which the Larson team is known: learning by example, a straightforward and accessible writing style, emphasis on visualization through the use of graphs to reinforce algebraic and numeric solutions and to interpret data, and comprehensive exercise sets. These pedagogical features are carefully coordinated to ensure that students are better able to make connections between mathematical concepts and understand the content. With a bright, appealing design, the new Sixth Edition builds on the Larson tradition of guided learning by incorporating a comprehensive range of student success materials to help develop students' proficiency and conceptual understanding of algebra. The text also continues coverage and integration of geometry in examples and exercises. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

PRECALCULUS

Cengage Learning PRECALCULUS prepares students for calculus and the rigors of that course, having been written by teachers who have taught the courses and seen where students need help--and where other texts have come up short. The text features precise definitions and exposition, carefully crafted pedagogy, and a strong emphasis on algebraic, transcendental, and trigonometric functions. To show students how important and relevant precalculus topics are to their future coursework, an optional Looking Ahead to Calculus feature appears in each chapter. The varied examples and exercises include many that encourage students to use and understand graphs, as opposed to simply draw them, providing additional sound preparation for calculus. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Cengage Learning BIOCALCULUS: CALCULUS, PROBABILITY, AND STATISTICS FOR THE LIFE SCIENCES shows students how calculus relates to biology, with a style that maintains rigor without being overly formal. The text motivates and illustrates the topics of calculus with examples drawn from many areas of biology, including genetics, biomechanics, medicine, pharmacology, physiology, ecology, epidemiology, and evolution, to name a few. Particular attention has been paid to ensuring that all applications of the mathematics are genuine, and references to the primary biological literature for many of these has been provided so that students and instructors can explore the applications in greater depth. Although the focus is on the interface between mathematics and the life sciences, the logical structure of the book is motivated by the mathematical material. Students will come away with a sound knowledge of mathematics, an understanding of the importance of mathematical arguments, and a clear understanding of how these mathematical concepts and techniques are central in the life sciences. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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INTERACTIVE COLLEGE ALGEBRA

A WEB-BASED COURSE : STUDENT GUIDE

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Cengage Learning Teach your course your way with INTRODUCTORY CHEMISTRY: AN ACTIVE LEARNING APPROACH, 7th Edition. This modular, student-friendly resource allows you to tailor the order of chapters to accommodate your needs, not only by presenting topics so they never assume prior knowledge, but also by including any necessary preview or review information needed to learn that topic. The authors' question-and-answer presentation, which allows students to actively learn chemistry while studying an assignment, is reflected in three words of advice and encouragement repeated throughout the book: Learn It Now! This updated 7th edition leaves no students behind. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

PROGRAMMED LEARNING AND INDIVIDUALLY PACED INSTRUCTION

BRIEF APPLIED CALCULUS

Cengage Learning New from James Stewart and Daniel Clegg, BRIEF APPLIED CALCULUS takes an intuitive, less formal approach to calculus without sacrificing the mathematical integrity. Featuring a wide range of applications designed to motivate students with a variety of interests, clear examples detailing important mathematical processes, and a vast collection of exercises appropriate for students with disparate skill sets, this first edition is perfect for students who need to learn how to apply calculus concepts rather than replicate the formal proofs behind the techniques. Early coverage of exponential and logarithmic functions allows for the inclusion of many interesting applications throughout the text. Available with a range of supplements including Enhanced WebAssign, BRIEF APPLIED CALCULUS makes calculus approachable so any student can understand the concepts and be

successful in the course. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.