

College Algebra 3 Edition Coburn Isbn

This book contains an extensive collection of exercises and problems that address relevant topics in linear algebra. Topics that the author finds missing or inadequately covered in most existing books are also included. The exercises will be both interesting and helpful to an average student. Some are fairly routine calculations, while others require serious thought.The format of the questions makes them suitable for teachers to use in quizzes and assigned homework. Some of the problems may provide excellent topics for presentation and discussions. Furthermore, answers are given for all odd-numbered exercises which will be extremely useful for self-directed learners. In each chapter, there is a short background section which includes important definitions and statements of theorems to provide context for the following exercises and problems.

Three components contribute to a theme sustained throughout the Coburn Series: that of laying a firm foundation, building a solid framework, and providing strong connections. Not only does Coburn present a sound problem-solving process to teach students to recognize a problem, organize a procedure, and formulate a solution, the text encourages students to see beyond procedures in an effort to gain a greater understanding of the big ideas behind mathematical concepts.

"I have been teaching nonmajors biology at the University of Oklahoma since 1997 and over that time have encountered many students who fear science in general and biology in particular. The complexity, abstractions, and unfamiliar terms can seem overwhelming at first, but with practice, I know that anyone can think like a scientist. Learning to think scientifically is important well beyond passing your biology class. After all, scientific issues confront you every day as you navigate your life and your social media accounts. How do you know if a claim about climate change is scientific? Will you be able to identify misinformation and interpret graphs during the next global health crisis? This book will teach you not only to understand the scientific terms you encounter but also to distinguish "good science" from unscientific claims. I've created the following features to help you make the transition from memorizing facts to understanding concepts-from accepting scientific claims to analyzing them for yourself. These tools will help you to pass your class and to be an informed citizen"--

Strategic Inquiry is an innovative model for promoting teacher collaboration around identifying specific "learning gaps" that keep struggling students from succeeding.

Linear Algebra and Its Applications, Global Edition

Poison in Paddington

The Hunting Ground

At Risk

Time-tested activities to teach the key ideas of scienceand turn students into scientists! This witty book adapts classic investigations to help students in grades 3 through 8 truly think and act like scientists. Chapter by chapter, this accessible primer illustrates a [big idea] about the nature of science and offers clear links to the Next Generation Science Standards and its Science and Engineering Practices. You'll also find: A reader-friendly overview of the NGSS Guidance on adapting the activities to your grade level, including communicating instructions, facilitating discussions, and managing safety concerns Case studies of working scientists to highlight specifics about the science and engineering practices

This book presents the chapters - An Introduction to Trigonometry; Trigonometric Graphs and Models; Trig Identities - Their Purpose, Place, and Application; Trigonometric Equations; Applications of Trigonometry; Conic Sections and Polar Coordinates.

With the same design and feature sets as the market leading Precalculus, 8/e, this addition to the Larson Precalculus series provides both students and instructors with sound, consistently structured explanations of the mathematical concepts. Designed for a two-term course, this text contains the features that have made Precalculus a complete solution for both students and instructors: interesting applications, cutting-edge design, and innovative technology combined with an abundance of carefully written exercises. In addition to a brief algebra review and the core precalculus topics, PRECALCULUS WITH LIMITS covers analytic geometry in three dimensions and introduces concepts covered in calculus. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Essential guide for teaching children aged 3-7, developing knowledge of key mathematical ideas and concepts in the nursery and primary classroom.

Enhanced with Graphing Utilities

Loose Leaf Trigonometry

A Guide for Orienting Students to College

Elementary Statistics

Beecher, Penna, and Bittinger's College Algebra is known for enabling students to “see the math” through its focus on visualization and early introduction to functions. With theFourth Edition, the authors continue to innovate by incorporating more ongoing review to help students develop their understanding and study effectively. Mid-chapter material has been added to give students practice in synthesizing the concepts, and new Study Summaries provide built-in tools to help them prepare for tests. The MyMathLab course (access kit required) has been expanded so that the online content is even more integrated with the text's approach, with the addition of Vocabulary, Synthesis, and Mid-chapter Review the text as well as example-based videos created by the authors.

When Julie Miller began writing her successful developmental math series, one of her primary goals was to bridge the gap between preparatory courses and college algebra. For thousands of students, the Miller/O'Neill/Hyde (or M/O/H) series has provided a solid foundation in developmental mathematics. With the Miller College Algebra series, she has provided her clear, concise writing style; highly effective pedagogical features; and complete author-created technological package to students in this course area. The main objectives of the college algebra series are three-fold: -Provide students with a clear and logical presentation of -the basic concepts that will prepare them for continued study -Help students develop logical thinking and problem-solving skills that will benefit them in all aspects of life. -Motivate students by demonstrating the significance of mathematics in their lives through practical applications.

ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, or a separate registration, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson: check with the seller before completing your purchase. 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. -- Bob Blitzer has inspired thousands of students to mathematics, making this beloved series the #1 in the market. Blitzer draws on his unique background in mathematics and behavioral science to present the full scope of mathematics with vivid applications in real-life situations. Students stay engaged because Blitzer often uses pop-culture and up-to-date references to connect math to the real world. Cynthia Young's world is profoundly mathematical. 0321900529 / 9780321900524 Trigonometry Plus NEW MyMathLab plus Pearson eText -- Access Card Package Package consists of 0321431308 / 9780321431301 MyMathLab/MyStatLab -- Glue-in Access Card 0321654064 / 9780321654069 MyMathLab Inside Star Sticker 0321795911 / 9780321795911 MyMathLab Inside Star Sticker

When Cassie Coburn moved to London, she never thought she'd be involved in a quadruple homicide. After a car accident ended her medical career before it even started, Cassie moved to London on a whim, expecting to see the sights and live the typical tourist backpacker lifestyle. Instead she finds herself accompanying a French private investigator and they attempt to find out who poisoned four people in the middle of London. Cassie's life soon includes this crazy detective, an ancient landlady with a curious past, a mischeivous orange cat who likes going for walks on a leash, and a super hot pathologist that Cassie is sure is out of her league.And they haven't even found the murderer yet. The series includes a cozy mystery series featuring a Sherlock-holmes style sleuth. If you want a light, fun, modern mystery featuring a San Francisco girl totally out of her element in London, and a crazy French woman who happens to be very good at noticing things, then this is the series for you.

The Essentials

Project Management

Technical Sourcebook for Designers

Braid Foliations in Low-Dimensional Topology

This book presents the traditional content of Precalculus in a manner that answers the age-old question of “When will I ever use this?” Highlighting truly relevant applications, this book presents the material in an easy to teach from/easy to learn from approach. KEY TOPICS Chapter topics include e equations, inequalities, and mathematical models; functions and graphs; polynomial and rational functions; exponential and logarithmic functions; trigonometric functions; analytic trigonometry; systems of equations and inequalities; conic sections and analytic geometry; and sequences, induction, and probability. For individuals studying Precalculus.

Three components contribute to a theme sustained throughout the Coburn Series: that of laying a firm foundation, building a solid framework, and providing strong connections. Not only does Coburn present a sound problem-solving process to teach students to recognize a problem, organize a procedure, and formulate a solution, the text encourages students to see beyond procedures in an effort to gain a greater understanding of the big ideas behind mathematical concepts. . . .Written in a readable, yet mathematically mature manner appropriate for college algebra level students, Coburn’s Precalculus uses narrative, extensive examples, and a range of exercises to connect seemingly disparate mathematical topics into a cohesive whole. Coburn’s hallmark applications are born out of the author’s extensive experiences in and outside the classroom, and appeal to the vast diversity of students and teaching methods in this course area. . . .Benefiting from the feedback of hundreds of instructors and students across the country, Precalculus second edition, continues to emphasize connections in order to improve the level of student engagement in mathematics and increase their chances of success in college algebra. . . Cynthia Young’s College Algebra, Fourth Edition will allow students to take the guesswork out of studying by providing them with a clear roadmap: what to do, how to do it and whether they did it right, while seamlessly integrating to Young’s learning content. College Algebra, Fourth Edition is written in a clear, single voice that speaks to students and mirrors how instructors communicate in lecture. Young’s hallmark pedagogy enables students to become independent, successful learners. Varied exercise types and modeling projects keep the learning fresh and motivating. This text continues Young’s tradition of fostering a love for succeeding in mathematics.

When Julie Miller began writing her successful developmental math series, one of her primary goals was to bridge the gap between preparatory courses and college algebra. For thousands of students, the Miller/O’Neill/Hyde (or M/O/H) series has provided a solid foundation in developmental mathematics. With the Miller College Algebra series, Julie has carried forward her clear, concise writing style; highly effective pedagogical features; and complete author-created technological package to students in this course area. The main objectives of the college algebra series are three-fold:   Provide students with a clear and logical presentation of the basic concepts that will prepare them for continued study in mathematics.   Help students develop logical thinking and problem-solving skills that will benefit them in all aspects of life.   Motivate students by demonstrating the significance of mathematics in their lives through practical applications.

Intermediate Algebra

Strategic Inquiry

Precalculus

College Algebra Essentials

Written in a mathematically mature, "Trigonometry" uses narrative, extensive examples, and a range of exercises to connect seemingly disparate mathematical topics into a cohesive whole. It emphasizes connections in order to improve the level of student engagement and increase their chances of success in college algebra.

Learn to think mathematically and develop genuine problem-solving skills with Stewart, Redlin, and Watson's COLLEGE ALGEBRA, Sixth Edition. This straightforward and easy-to-use algebra book will help you learn the fundamentals of algebra in a variety of practical ways. The book features new tools to help you succeed, such as learning objectives before each section to prepare you for what you're about to learn, and a list of formulas and key concepts after each section that help reinforce what you've learned. In addition, the book includes many real-world examples that show you how mathematics is used to model in fields like engineering, business, physics, chemistry, and biology. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

"Julie Miller, Molly O'Neill, and Nancy Hyde originally wrote their developmental math series because students were entering their College Algebra course underprepared. The students were not mathematically mature enough to understand the concepts of math, nor were they fully engaged with the material. The authors began their developmental mathematics offerings with intermediate algebra to help bridge that gap. This in turn developed into several series of textbooks from Prealgebra through Precalculus to help students at all levels before Calculus"--

For courses in College Algebra. Show students that our world is profoundly mathematical Bob Blitzer continues to inspire students with his engaging approach to mathematics, making this beloved series the #1 in the market year after year. Blitzer draws on his unique background in mathematics and behavioral science to present a wide range of vivid applications in real-life situations. Students of all majors stay engaged because Blitzer uses pop-culture and up-to-date references to connect math to students' lives, showing that our world is profoundly mathematical. With the new edition, Blitzer takes student engagement with the mathematical world to a whole new level drawing from applications across all fields as well as topics that are of interest to any college student (e.g., student loan debt, grade inflation, sleep hours of college students). Applications are also brought to life online in a new, assignable video series that explore the entertaining and mathematical Blitzer Bonus boxes. The new edition also aims to help more students to succeed in the course with just-in-time support in the text--such as Brief Review of prerequisite topics, Achieving Success boxes, and Retain the Concepts exercises--as well as support within Pearson MyLab Math such as new concept-level videos, assignable tools to enhance visualization, and more. Also available with Pearson MyLab(tm) Math Pearson 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. The new edition continues to expand the comprehensive auto-graded exercise options. In addition, Pearson MyLab Math includes new options designed to help students of all levels and majors to stay engaged and succeed in the course. Note: You are purchasing a standalone product; MyLab(tm)& Mastering(tm) does not come packaged with this content. Students, if interested in purchasing this title with MyLab & Mastering, 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 & Mastering, search for: 0134513142 / 9780134513140 College Algebra Essentials Plus MyLab Math with Pearson eText -- Access Card Package, 5/e Package consists of: 0134469291 / 9780134469294 College Algebra Essentials 0321431308 / 9780321431301 MyLab Math -- Glue-in Access Card 0321654064 / 9780321654069 MyLab Math Inside Star Sticker

Applied Calculus for the Managerial, Life, and Social Sciences

Biology

Insights and Recommendations from the MAA National Study of College Calculus

Starting Small for Big Results in Education

NOTE: This edition features the 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. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. xxxxxxxxxxxxxx For courses in linear algebra.This package includes MyMathLab(R). With traditional linear algebra texts, the course is relatively easy for students during the early stages as material is presented in a familiar, concrete setting. However, when abstract concepts are introduced, students often hit a wall. Instructors seem to agree that certain concepts (such as linear independence, spanning, subspace, vector space, and linear transformations) are not easily understood and require time to assimilate. These concepts are fundamental to the study of linear algebra, so students' understanding of them is vital to mastering the subject. This text makes these concepts more accessible by introducing them early in a familiar, concrete "Rn" setting, developing them gradually, and returning to them throughout the text so that when they are discussed in the abstract, students are readily able to understand. Personalize learning with MyMathLabMyMathLab is an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. MyMathLab includes assignable algorithmic exercises, the complete eBook, interactive figures, tools to personalize learning, and more.

The practical e-guide that gives you the skills to succeed as a project manager. Discover how to improve your project management skills by defining a project brief, identifying stakeholders, and building a strong team. You'll also learn useful tips for initiating projects, setting deadlines, and managing your budgets. Essential Managers gives you a practical "how-to" approach with step-by-step instructions, tips, checklists, and "ask yourself" features showing you how to focus your energy, manage change, and make an impact. DK's Essential Managers series contains the knowledge you need to be a more effective manager and hone your management style. Whether you're new to project management or simply looking to sharpen your existing skills, this is the e-guide for you.

The term "natural disaster" is often used to refer to natural events such as earthquakes, hurricanes or floods. However, the phrase 'natural disaster' suggests an uncritical acceptance of a deeply engrained ideological and cultural myth. At Risk questions this myth and argues that extreme natural events are not disasters until a vulnerable group of people is exposed. The updated new edition confronts a further ten years of ever more expensive and deadly disasters and discusses disaster not as an aberration, but as a signal failure of mainstream 'development'. Two analytical models are provided as tools for understanding vulnerability. One links remote and distant 'root causes' to 'unsafe conditions' in a 'progression of vulnerability'. The other uses the concepts of 'access' and 'livelihood' to understand why some households are more vulnerable than others. Examining key natural events and incorporating strategies to create a safer world, this revised edition is an important resource for those involved in the fields of environment and development studies.

Bob Blitzer has inspired thousands of students with his engaging approach to mathematics, making this beloved series the #1 in the market. Blitzer draws on his unique background in mathematics and behavioral science to present the full scope of mathematics with vivid applications in real-life situations. Students stay engaged because Blitzer often uses pop-culture and up-to-date references to connect math to students' lives, showing that their world is profoundly mathematical.

Precalculus: Graphs & Models

Precalculus with Limits

Natural Hazards, People's Vulnerability and Disasters

The companion volume to the documentary about sexual violence on college campuses, from the Academy Award-nominated makers of The Invisible War. Headlines abound about out-of-control fraternities, protests by female students, and ongoing debates over sexual assaults on college campuses. The Hunting Ground is a companion to the new documentary by award-winning filmmakers Kirby Dick and Amy Ziering, which has become a galvanizing catalyst for discussion at the hundreds of campuses where it's been screened, led to calls for legislation, and sparked a backlash from university administrators, fraternities, and conservative groups. In this book, those concerned about “rape culture” on campus will find an inside perspective on the controversy, as well as reactions to the film from a range of leading writers and guidance on how to learn more and get active. Like the film, it shares gripping personal stories told by female students--and looks at the obstinate refusal of college administrators and law enforcement authorities to recognize the severity of the problem.

NOTE: Before purchasing, check with your instructor to ensure you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, and registrations are not transferable. To register for and use Pearson's MyLab & Mastering products, you may also need a Course ID, which your instructor will provide. Used books, rentals, and purchases made outside of PearsonIf purchasing or renting from companies other than Pearson, the access codes for Pearson's MyLab & Mastering products may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. Note: You are purchasing a standalone product; MyMathLab does not come packaged with this content. MyMathLab is not a self-paced technology and should only be purchased when required by an instructor. If you would like to purchase "both "the physical text and MyMathLab, search for: 9780134022697 /

0134022696 Linear Algebra and Its Applications plus New MyMathLab with Pearson eText -- Access Card Package, 5/e With traditional linear algebra texts, the course is relatively easy for students during the early stages as material is presented in a familiar, concrete setting. However, when abstract concepts are introduced, students often hit a wall. Instructors seem to agree that certain concepts (such as linear independence, spanning, subspace, vector space, and linear transformations) are not easily understood and require time to assimilate. These concepts are fundamental to the study of linear algebra, so students' understanding of them is vital to mastering the subject. This text makes these concepts more accessible by introducing them early in a familiar, concrete "Rn" setting, developing them gradually, and returning to them throughout the text so that when they are discussed in the abstract, students are readily able to understand.

The 2010 edition of this monograph addresses many topics (e.g., administration of orientation programs, family involvement, student characteristics and needs, assessment, and orientation for specific student populations and institutional types) that were included in previous editions but approaches them with new information, updated data, and current theory. However, this edition also takes up new topics in response to the "opportunities and concerns" facing orientation, transition, and retention professionals such as collaborations among campus units in the development and delivery of orientation, the increase in nontraditional student populations, the need for effective crisis planning and management in orientation programs, new technologies, and even the challenge of making the case for orientation in an era of diminishing resources. The authors have carefully penned chapters incorporating contemporary information, ideas, and concepts while being reflective of traditional practices. Following a preface by Margaret J. Barr and a foreword by Jennifer R. Keup and Craig E. Mack, chapters in this edition include: (1) Brief Overview of the Orientation, Transition, and Retention Field (Craig E. Mack); (2) Theoretical Perspectives on Orientation (Denise L. Rode and Tony W. Cawthon); (3) Making the Case for Orientation: Is It Worth It? (Bonita C. Jacobs); (4) Administration of a Comprehensive Orientation Program (April Mann, Charlie Andrews, and Norma Rodenburg); (5) Community College Orientation and Transition Programs (Cathy J. Cuevas and Christine Timmerman); (6) Channeling Parental Involvement to Support Student Success (Jeanine A. Ward-Roof, Laura A. Page, and Ryan Lombardi); (7) Extensions of Traditional Orientation Programs (Tracy L. Skipper, Jennifer A. Latino, Blaire Moody Rideout, and Dorothy Weigel); (8) Technology in Orientation (J.J. Brown and Cynthia L. Hernandez); (9) Incorporating Crisis Planning and Management Into Orientation Programs (Dian Squire, Victor Wilson, Joe Ritchie, and Abbey Wolfman); (10) Orientation and First-Year Programs: A Profile of Participating Students (Maureen E. Wilson and Michael Dannells); (11) Creating a Developmental Framework for New Student Orientation to Address the Needs of Diverse Populations (Archie P. Cubarrubia and Jennifer C. Schoen); (12) Designing Orientation and Transition Programs for Transfer Students (Shandol C. Hoover); (13) Nontraditional Is the New Traditional: Understanding Today's College Student (Michael J. Knox and Brittany D. Henderson); (14) Building the Case for Collaboration in Orientation Programs: Campus Culture, Politics, and Power (Beth M. Lingren Clark and Matthew J. Weigand); (15) Assessment and Evaluation in Orientation (Robert Schwartz and Dennis Wiese); and (16) Reflections on the History of Orientation, Transition, and Retention Programs (Jeanine A. Ward-Roof and Kathy L. Guthrie). (Individual chapters contain references.) [For the 2nd Edition (2003), see ED478603.]

Applications are the hallmark of this series, along with student-friendly pedagogy and engaging examples and exercises. The integration of Connect Hosted by ALEKS, along with new lecture and exercise videos, provides students with the support they need to understand the key concepts of college algebra.

Trigonometry

Exercises And Problems In Linear Algebra

10 Classic Investigations Reimagined to Teach Kids How Science Really Works, Grades 3-8

College Algebra

This comprehensive compilation presents technical design processes and industry standards that reflect current apparel production and manufacturing practices. The authors provide a holistic perspective of the role of technical design in apparel production, including such considerations as selection of fabrics, finding seasonal fashion trends, garment construction, and fit evaluation, all in the context of meeting the needs of the target consumer with cost-effective decisions.

Soo Tan's APPLIED CALCULUS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES, Ninth Edition balances applications, pedagogy, and technology to provide you with the context you need to stay motivated in the course and interested in the material. Accessible for majors and non-majors alike, the text uses an intuitive approach that introduces abstract concepts through examples drawn from common, real-life experiences to which you can relate. It also draws applications from numerous professional fields of interest. In addition, insightful Portfolios highlight the careers of real people and discuss how they incorporate math into their daily work activities. Numerous exercises ensure that you have a solid understanding of concepts before advancing to the next topic. Algebra review notes, keyed to the review chapter Preliminaries, appear where and when you need them. The text's exciting array of supplements equips you with extensive learning support to help you make the most of your study time. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

College Algebra EssentialsMcGraw-Hill Education

Three components contribute to a theme sustained throughout the Coburn/Herdlick Graphs and Models series: that of laying a firm foundation, building a solid framework, and providing strong connections. In the Graphs and Models texts, the authors combine their depth of experience with the conversational style and the wealth of applications that the Coburn/Herdlick texts have become known for. By combining a graphical approach to problem solving with algebraic methods, students learn how to relate their mathematical knowledge to the outside world. The authors use technology to solve the more true to life equations, to engage more applications, and to explore the more substantial questions involving graphical behavior. Benefiting from the feedback of hundreds of instructors and students across the country, Precalculus: Graphs & Models emphasizes connections in order to improve the level of student engagement in mathematics and increase their chances of success in precalculus and calculus. The launch of the Coburn/Herdlick Graphs and Models series provides a significant leap forward in terms of online course management with McGraw-Hill's new homework platform, Connect Math Hosted by ALEKS Corp. Math instructors served as digital contributors to choose the problems that will be available, authoring each algorithm and providing stepped out solutions that go into great detail and are focused on areas where students commonly make mistakes. From there, the ALEKS Corporation reviewed each algorithm to ensure accuracy. A unifying theme throughout the entire process was the involvement of the authors. Through each step, they provided feedback and guidance to the digital contributors to ensure that the content being developed digitally closely matched the textbook. The result is an online homework platform that provides superior content and feedback, allowing students to effectively learn the material being taught.

Algebra and Trigonometry

A Guide for Teachers of Children 3-7

Understanding Mathematics for Young Children

Essentials of College Algebra

Essentials of College Algebra by Lial, Hornsby, and Schneider, gives students a solid foundation in the basic functions of college algebra and their graphs, starting with a strong review of intermediate algebra concepts and ending with an introduction to systems and matrices. This brief version of the College Algebra, Tenth Edition has been specifically designed to provide a more compact and less expensive text for courses that do not include the more advanced topics covered in the longer text. Focused on helping students develop both the conceptual understanding and the analytical skills necessary to experience success in mathematics, the authors present each mathematical topic in this text using a carefully developed learning system to actively engage students in the learning process. The book addresses the diverse needs of today's students through a clear design, current figures and graphs, helpful features, careful explanations of topics, and a comprehensive package of available supplements and study aids. -- Provided by publisher.

Three components contribute to a theme sustained throughout the Coburn Series: that of laying a firm foundation, building a solid framework, and providing strong connections. Not only does Coburn present a sound problem-solving process to teach students to recognize a problem, organize a procedure, and formulate a solution, the text encourages students to see beyond procedures in an effort to gain a greater understanding of the big ideas behind mathematical concepts. Written in a readable, yet mathematically mature manner appropriate for college level students, Coburn's Trigonometry uses narrative, extensive examples, and a range of exercises to connect seemingly disparate mathematical topics into a cohesive whole. Coburn's hallmark applications are born out of the author's extensive experiences in and outside the classroom, and appeal to the vast diversity of students and teaching methods in this course area. Benefiting from the feedback of hundreds of instructors and students across the country, Trigonometry, Second Edition, continues to emphasize connections in order to improve the level of student engagement in mathematics and increase their chances of success in trigonometry.

Precalculus is adaptable and designed to fit the needs of a variety of precalculus courses. It is a comprehensive text that covers more ground than a typical one- or two-semester college-level precalculus course. The content is organized by clearly-defined learning objectives, and includes worked examples that demonstrate problem-solving approaches in an accessible way. Coverage and Scope Precalculus contains twelve chapters, roughly divided into three groups. Chapters 1-4 discuss various types of functions, providing a foundation for the remainder of the course. Chapter 1: Functions Chapter 2: Linear Functions Chapter 3: Polynomial and Rational Functions Chapter 4: Exponential and Logarithmic Functions Chapters 5-8 focus on Trigonometry. In Precalculus, we approach trigonometry by first introducing angles and the unit circle, as opposed to the right triangle approach more commonly used in College Algebra and Trigonometry courses. Chapter 5: Trigonometric Functions Chapter 6: Periodic Functions Chapter 7: Trigonometric Identities and Equations Chapter 8: Further Applications of Trigonometry Chapters 9-12 present some advanced Precalculus topics that build on topics introduced in chapters 1-8. Most Precalculus syllabi include some of the topics in these chapters, but few include all. Instructors can select material as needed from this group of chapters, since they are not cumulative. Chapter 9: Systems of Equations and Inequalities Chapter 10: Analytic Geometry Chapter 11: Sequences, Probability and Counting Theory Chapter 12: Introduction to Calculus

The Inside Story of Sexual Assault on American College Campuses

Linear Algebra and Its Applications

Designing Successful Transitions

Learning Science by Doing Science