

Math Refresher For Scientists And Engineers

Advanced Mathematics
Math for Scientists
Math Refresher for Scientists and Engineers
All the Math You'll Ever Need
Math Refresher for Adults: The Perfect Solution
Math Concepts for Food Engineering
Essentials of Mathematical Methods in Science and Engineering
Advanced Mathematical Techniques
A Refresher Course in Mathematics
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A Mathematics Refresher
Climate Mathematics
Essential Math Skills for Engineers
Basic Math for Social Scientists
Mathematics for Machine Learning
Basic Math for Game Development with Unity 3D
Mastering Essential Math Skills
Introduction to Applied Linear Algebra
Basic Math Refresher (REA)
Mathematical Methods in Science and Engineering
Arithmetic Refresher
Introduction to Actuarial and Financial Mathematical Methods

Advanced Mathematics

The purpose of this book is to illustrate to students both the techniques used in advanced analysis of physical systems and the reasons why these techniques work. Topics include infinite series and product expansions, asymptotic expansions, complex analysis, data fitting and physical models, integral transforms and their use in the solution of differential equations, statistical mechanics, finite and infinite dimensional linear algebra, and the solution of the wave equation in one and two dimensions. This revised and updated edition contains all of the material from the first edition (corrected and expanded, especially in the chapter on orbits) as well as two new chapters, on complex variables and integral transformations. There are problems after each section, and answers to selected problems appear at the end. Chapter summaries have also been added at the end of each chapter.

Math for Scientists

Presents the core mathematics, statistics, and programming skills needed for modern climate science courses, with online teaching materials.

Math Refresher for Scientists and Engineers

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Provides a smooth and pleasant transition from first-year calculus to upper-level mathematics courses in real analysis, abstract algebra and number theory Most universities require students majoring in mathematics to take a “transition to higher math” course that introduces mathematical proofs and more rigorous thinking. Such courses help students be prepared for higher-level mathematics course from their onset. Advanced Mathematics: A Transitional Reference provides a “crash course” in beginning pure mathematics, offering instruction on a blend of inductive and deductive reasoning. By avoiding outdated methods and countless pages of theorems and proofs, this innovative textbook prompts students to think about the ideas presented in an enjoyable, constructive setting. Clear and concise chapters cover all the essential topics students need to transition from the "rote-orientated" courses of calculus to the more rigorous "proof-orientated" advanced mathematics courses. Topics include sentential and predicate calculus, mathematical induction, sets and counting, complex numbers, point-set topology, and symmetries, abstract groups, rings, and fields. Each section contains numerous problems for students of various interests and abilities. Ideally suited for a one-semester course, this book: Introduces students to mathematical proofs and rigorous thinking Provides thoroughly class-tested material from the authors own course in transitioning to higher math Strengthens the mathematical thought process of the reader Includes informative sidebars, historical notes, and plentiful graphics Offers a companion website to access a supplemental solutions manual for instructors Advanced Mathematics: A Transitional Reference is a valuable guide

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for undergraduate students who have taken courses in calculus, differential equations, or linear algebra, but may not be prepared for the more advanced courses of real analysis, abstract algebra, and number theory that await them. This text is also useful for scientists, engineers, and others seeking to refresh their skills in advanced math.

All the Math You'll Ever Need

Unique refresher covers important aspects of integral and differential calculus via 756 questions. Features constants, variables, functions, increments, derivatives, differentiation, more. A 50-page section applies calculus to engineering problems. Includes 566 problems, most with answers.

Math Refresher for Adults: The Perfect Solution

Math Concepts for Food Engineering

Everyday math for everyday people Finally, a common sense reference for math! Portable and very affordable, the Basic Math Refresher is the useful, practical, and informative way to understand all types of math fundamentals. Never worry about

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math again! Clear, concise entries by author Stephen Hearne make the complex seem simple by guiding you through the most basic of mathematical concepts up to math's more perplexing topics (including those perplexing fractions, percentages and measurements). This easy-to-follow reference is chock full of examples and real life situations making this book the perfect choice for everyone from the young math student to the businessperson to anyone with rusty math skills. Discover the single best resource for understanding basic math that is also the perfect companion for any reference library. Table of Contents PREFACE ADDITION SUBTRACTION MULTIPLICATION DIVISION DECIMALS ROUNDING PERCENTAGES FRACTIONS AVERAGES SALES TAX DISCOUNTS MEASUREMENTS GRAPHS

Essentials of Mathematical Methods in Science and Engineering

Advanced Mathematical Techniques

This primary text and supplemental reference focuses on linear algebra, calculus, and ordinary differential equations. Additional topics include partial differential equations and approximation methods. Includes solved problems. 1992 edition.

A Refresher Course in Mathematics

"An elegant and amusing account" of how gambling has been reshaped by the application of science and revealed the truth behind a lucky bet (Wall Street Journal). For the past 500 years, gamblers-led by mathematicians and scientists-have been trying to figure out how to pull the rug out from under Lady Luck. In *The Perfect Bet*, mathematician and award-winning writer Adam Kucharski tells the astonishing story of how the experts have succeeded, revolutionizing mathematics and science in the process. The house can seem unbeatable. Kucharski shows us just why it isn't. Even better, he demonstrates how the search for the perfect bet has been crucial for the scientific pursuit of a better world.

Science and Mathematics for Engineering

Covers the most important aspects of plane and spherical trigonometry. Discusses special problems in navigation, surveying, elasticity, architecture, and various fields of engineering. Includes 1,738 problems, many with solutions. 1946 edition. Features 494 figures.

Math Refresher for Scientist and Engineers

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This book of worked-out examples not only accompanies Timothy M. Hagle's earlier book *Basic Math for Social Scientists: Concepts*, but also provides an informal refresher course in algebra sets, limits and continuity, differential calculus, multivariate functions, partial derivatives, integral calculus, and matrix algebra. Problem sets are also provided so that readers can practice their grasp of standard mathematical procedures.

Math Overboard!

An innovative treatment of mathematical methods for a multidisciplinary audience. Clearly and elegantly presented, *Mathematical Methods in Science and Engineering* provides a coherent treatment of mathematical methods, bringing advanced mathematical tools to a multidisciplinary audience. The growing interest in interdisciplinary studies has brought scientists from many disciplines such as physics, mathematics, chemistry, biology, economics, and finance together, which has increased the demand for courses in upper-level mathematical techniques. This book succeeds in not only being tuned in to the existing practical needs of this multidisciplinary audience, but also plays a role in the development of new interdisciplinary science by introducing new techniques to students and researchers. *Mathematical Methods in Science and Engineering's* modular structure affords instructors enough flexibility to use this book for several different advanced undergraduate and graduate level courses. Each chapter serves as a

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review of its subject and can be read independently, thus it also serves as a valuable reference and refresher for scientists and beginning researchers. There are a growing number of research areas in applied sciences, such as earthquakes, rupture, financial markets, and crashes, that employ the techniques of fractional calculus and path integrals. The book's two unique chapters on these subjects, written in a style that makes these advanced techniques accessible to a multidisciplinary audience, are an indispensable tool for researchers and instructors who want to add something new to their compulsory courses. Mathematical Methods in Science and Engineering includes:

- * Comprehensive chapters on coordinates and tensors and on continuous groups and their representations
- * An emphasis on physical motivation and the multidisciplinary nature of the methods discussed
- * A coherent treatment of carefully selected topics in a style that makes advanced mathematical tools accessible to a multidisciplinary audience
- * Exercises at the end of every chapter and plentiful examples throughout the book

Mathematical Methods in Science and Engineering is not only appropriate as a text for advanced undergraduate and graduate physics programs, but is also appropriate for engineering science and mechanical engineering departments due to its unique chapter coverage and easily accessible style. Readers are expected to be familiar with topics typically covered in the first three years of science and engineering undergraduate programs. Thoroughly class-tested, this book has been used in classes by more than 1,000 students over the past eighteen years.

What is Mathematics?

A sharp mind, like a healthy body, is subject to the same rule of nature: Use it or lose it. Need a calculator just to work out a 15 percent service charge? Not exactly sure how to get the calculator to give you the figure you need? Turn to this revised and updated edition of *All the Math You'll Ever Need*, the friendliest, funniest, and easiest workout program around. In no time, you'll have total command of all the powerful mathematical tools needed to make numbers work for you. In a dollars-and-cents, bottom-line world, where numbers influence everything, none of us can afford to let our math skills atrophy. This step-by-step personal math trainer: Refreshes practical math skills for your personal and professional needs, with examples based on everyday situations. Offers straightforward techniques for working with decimals and fractions. Demonstrates simple ways to figure discounts, calculate mortgage interest rates, and work out time, rate, and distance problems. Contains no complex formulas and no unnecessary technical terms.

Advanced Mathematics for Engineers and Scientists

A discussion of fundamental mathematical principles from algebra to elementary calculus designed to promote constructive mathematical reasoning.

Calculus Refresher

A practical introduction to the engineering science and mathematics required for engineering study and practice. Science and Mathematics for Engineering is an introductory textbook that assumes no prior background in engineering. This new edition covers the fundamental scientific knowledge that all trainee engineers must acquire in order to pass their examinations and has been brought fully in line with the compulsory science and mathematics units in the new engineering course specifications. A new chapter covers present and future ways of generating electricity, an important topic. John Bird focuses upon engineering examples, enabling students to develop a sound understanding of engineering systems in terms of the basic laws and principles. This book includes over 580 worked examples, 1300 further problems, 425 multiple choice questions (with answers), and contains sections covering the mathematics that students will require within their engineering studies, mechanical applications, electrical applications and engineering systems. This book is supported by a companion website of materials that can be found at www.routledge/cw/bird. This resource includes fully worked solutions of all the further problems for students to access, and the full solutions and marking schemes for the revision tests found within the book for instructor use. In addition, all 447 illustrations will be available for downloading by lecturers.

Mathematics for Computer Scientists

Offers short, self-contained math lessons for grades four and five featuring review exercises, word problems, speed drills, and teacher tips.

The Perfect Bet

A one-stop review of all of the basic math a scientist needs. Unique among mathematics texts and handbooks, Math Refresher for Scientists and Engineers is a one-stop resource on topics that are normally treated in separate texts. It presents the basic math needed by professionals and students in all areas of engineering and science—to understand advances in modern technology, prepare for professional exams, or simply to brush up on skills that were acquired long ago. The focus is on practical applications and exercises rather than theory. Each chapter reviews important principles and methods and offers copious examples. Exercises are set in boxes and are designed to make the reader an active participant in the review process while minimizing nonessential repetition. Solutions are separated from exercises to allow for self-paced review. Topics covered include: Algebra Geometry, analytic geometry, trigonometry, and hyperbolic functions Vectors, matrices, and linear algebra Differential calculus, integral calculus, and special integrals Partial derivatives Ordinary differential

equations and ODE solution techniques Partial differential equations.

Essential Mathematics for Science and Technology

Engineering Mathematics with Examples and Applications provides a compact and concise primer in the field, starting with the foundations, and then gradually developing to the advanced level of mathematics that is necessary for all engineering disciplines. Therefore, this book's aim is to help undergraduates rapidly develop the fundamental knowledge of engineering mathematics. The book can also be used by graduates to review and refresh their mathematical skills. Step-by-step worked examples will help the students gain more insights and build sufficient confidence in engineering mathematics and problem-solving. The main approach and style of this book is informal, theorem-free, and practical. By using an informal and theorem-free approach, all fundamental mathematics topics required for engineering are covered, and readers can gain such basic knowledge of all important topics without worrying about rigorous (often boring) proofs. Certain rigorous proof and derivatives are presented in an informal way by direct, straightforward mathematical operations and calculations, giving students the same level of fundamental knowledge without any tedious steps. In addition, this practical approach provides over 100 worked examples so that students can see how each step of mathematical problems can be derived without any gap or jump in steps. Thus, readers can build their understanding and mathematical confidence

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gradually and in a step-by-step manner. Covers fundamental engineering topics that are presented at the right level, without worry of rigorous proofs Includes step-by-step worked examples (of which 100+ feature in the work) Provides an emphasis on numerical methods, such as root-finding algorithms, numerical integration, and numerical methods of differential equations Balances theory and practice to aid in practical problem-solving in various contexts and applications

Mathematical Methods for Scientists and Engineers

The perfect math refresher for adults. Short, concise lessons include video tutorials. Reasons you may need this book. You have a math phobia. You have forgotten the math that you learned. You are re-entering the workforce. A new job requires strong math skills. You need to improve math skills to advance your career. And the list goes on.

Math Refresher for Scientists and Engineers

This self-contained module for independent study covers the subjects most often needed by non-mathematics graduates, such as fundamental calculus, linear algebra, probability, and basic numerical methods. The easily-understandable text of Introduction to Actuarial and Mathematical Methods features examples,

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motivations, and lots of practice from a large number of end-of-chapter questions. For readers with diverse backgrounds entering programs of the Institute and Faculty of Actuaries, the Society of Actuaries, and the CFA Institute, Introduction to Actuarial and Mathematical Methods can provide a consistency of mathematical knowledge from the outset. Presents a self-study mathematics refresher course for the first two years of an actuarial program Features examples, motivations, and practice problems from a large number of end-of-chapter questions designed to promote independent thinking and the application of mathematical ideas Practitioner friendly rather than academic Ideal for self-study and as a reference source for readers with diverse backgrounds entering programs of the Institute and Faculty of Actuaries, the Society of Actuaries, and the CFA Institute

Refresher Math for Basic Science Classes

A groundbreaking introduction to vectors, matrices, and least squares for engineering applications, offering a wealth of practical examples.

Math for Programmers

Use Unity-based examples to understand fundamental mathematical concepts and see how they are applied when building modern video game functionality. You will

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gain the theoretical foundation you need, and you will know how to examine and modify an implementation. This book covers points in a 3D Cartesian coordinate system, and then discusses vectors and the details of dot and cross products. Basic mathematical foundations are illustrated through Unity-based example implementations. Also provided are examples showing how the concepts are applied when implementing video game functionality, such as collision support, motion simulations, autonomous behaviors, shadow approximations, and reflection off arbitrary walls. Throughout this book, you learn and examine the concepts and their applications in a game engine. What You Will Learn Understand the basic concepts of points and vectors and their applications in game development Apply mathematical concepts to modern video game functionality, such as spherical and box colliders Implement autonomous behaviors, including following way points, facing a target, chasing an object, etc. Who This Book is For Beginners, and those interested in the implementation of interactive games, who need a basic mathematical background or a refresher with modern examples

Trigonometry Refresher

Just-In-Time Math is a concise review and summary of the mathematical principles needed by all engineering professionals. Topics covered include differential calculus, integral calculus, complex numbers, differential equations, engineering statistics, and partial derivatives. Numerous example engineering problems are

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included to show readers how to apply mathematical techniques to a wide range of engineering situations. This is the perfect mathematics refresher for engineering professionals who use such math-intensive techniques as digital signal processing. Provides complete coverage of mathematical tools and techniques most commonly used by today's engineers Includes conversion tables, quick reference guides, and hundreds of solved example problems based on common engineering situations

Energy in the 21st Century

All of the basic math that scientists and engineers need-now expanded and revised! Whether you need to understand advances in modern technology, prepare for professional exams, or simply brush up on skills acquired long ago, John Fanchi's quick reference guide to applied math is for you. He has updated his 1997 book to include probability and statistics in new chapters with exercises and solutions. Fanchi explains all topics clearly and methodically, from the ground up. He begins with straightforward concepts in college math and gradually progresses to more advanced topics, using practical applications throughout to demonstrate relationships between different areas. The wealth of numerical methods and illustrative examples further enhances the utility of this truly indispensable book. Math Refresher for Scientists and Engineers, Second Edition reviews: * Algebra * Geometry, analytic geometry, trigonometry, and hyperbolic functions * Vectors, matrices, and linear algebra * Differential calculus, integral calculus, and special

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integrals * Partial derivatives * Ordinary differential equations and ODE solution techniques * Partial differential equations * Probability and statistics

Just-In-Time Math for Engineers

This rich collection of fully worked problems in many areas of mathematics covers all the important subjects students are likely to encounter in their courses, from introductory to final-year undergraduate classes. Because lecture courses tend to focus on theory rather than examples, these exercises offer a valuable complement to classroom teachings, promoting the understanding of mathematical techniques and helping students prepare for exams. They will prove useful to undergraduates in mathematics; students in engineering, physics, and chemistry; and postgraduate scientists looking for a way to refresh their skills in specific topics. The problems can supplement lecture notes and any conventional text. Starting with functions, inequalities, limits, differentiation, and integration, topics encompass integral inequalities, power series and convergence, complex variables, hyperbolic function, vector and matrix algebra, Laplace transforms, Fourier series, vector calculus, and many other subjects.

Engineering Mathematics with Examples and Applications

Download Free Math Refresher For Scientists And Engineers

Expanded coverage of essential math, including integral equations, calculus of variations, tensor analysis, and special integrals. Math Refresher for Scientists and Engineers, Third Edition is specifically designed as a self-study guide to help busy professionals and students in science and engineering quickly refresh and improve the math skills needed to perform their jobs and advance their careers. The book focuses on practical applications and exercises that readers are likely to face in their professional environments. All the basic math skills needed to manage contemporary technology problems are addressed and presented in a clear, lucid style that readers familiar with previous editions have come to appreciate and value. The book begins with basic concepts in college algebra and trigonometry, and then moves on to explore more advanced concepts in calculus, linear algebra (including matrices), differential equations, probability, and statistics. This Third Edition has been greatly expanded to reflect the needs of today's professionals. New material includes:

- * A chapter on integral equations
- * A chapter on calculus of variations
- * A chapter on tensor analysis
- * A section on time series
- * A section on partial fractions
- * Many new exercises and solutions

Collectively, the chapters teach most of the basic math skills needed by scientists and engineers. The wide range of topics covered in one title is unique. All chapters provide a review of important principles and methods. Examples, exercises, and applications are used liberally throughout to engage the readers and assist them in applying their new math skills to actual problems. Solutions to exercises are provided in an appendix. Whether to brush up on professional skills or prepare for exams, readers will find

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this self-study guide enables them to quickly master the math they need. It can additionally be used as a textbook for advanced-level undergraduates in physics and engineering.

Worked Examples in Mathematics for Scientists and Engineers

Math Refresher for Scientists and Engineers

A comprehensive introduction to the multidisciplinary applications of mathematical methods, revised and updated. The second edition of *Essentials of Mathematical Methods in Science and Engineering* offers an introduction to the key mathematical concepts of advanced calculus, differential equations, complex analysis, and introductory mathematical physics for students in engineering and physics research. The book's approachable style is designed in a modular format with each chapter covering a subject thoroughly and thus can be read independently. This updated second edition includes two new and extensive chapters that cover practical linear algebra and applications of linear algebra as well as a computer file that includes Matlab codes. To enhance understanding of the material presented, the text contains a collection of exercises at the end of each chapter. The author offers a coherent treatment of the topics with a style that makes the essential

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mathematical skills easily accessible to a multidisciplinary audience. This important text:

- Includes derivations with sufficient detail so that the reader can follow them without searching for results in other parts of the book
- Puts the emphasis on the analytic techniques
- Contains two new chapters that explore linear algebra and its applications
- Includes Matlab codes that the readers can use to practice with the methods introduced in the book

Written for students in science and engineering, this new edition of *Essentials of Mathematical Methods in Science and Engineering* maintains all the successful features of the first edition and includes new information.

A Mathematics Refresher

The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these

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derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site.

Climate Mathematics

Just the math skills you need to excel in the study or practice of engineering. Good math skills are indispensable for all engineers regardless of their specialty, yet only a relatively small portion of the math that engineering students study in college mathematics courses is used on a frequent basis in the study or practice of engineering. That's why *Essential Math Skills for Engineers* focuses on only these few critically essential math skills that students need in order to advance in their engineering studies and excel in engineering practice. *Essential Math Skills for Engineers* features concise, easy-to-follow explanations that quickly bring readers up to speed on all the essential core math skills used in the daily study and practice of engineering. These fundamental and essential skills are logically grouped into categories that make them easy to learn while also promoting their long-term retention. Among the key areas covered are: Algebra, geometry, trigonometry, complex arithmetic, and differential and integral calculus. Simultaneous, linear, algebraic equations. Linear, constant-coefficient, ordinary differential equations.

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Linear, constant-coefficient, difference equations Linear, constant-coefficient, partial differential equations Fourier series and Fourier transform Laplace transform Mathematics of vectors With the thorough understanding of essential math skills gained from this text, readers will have mastered a key component of the knowledge needed to become successful students of engineering. In addition, this text is highly recommended for practicing engineers who want to refresh their math skills in order to tackle problems in engineering with confidence.

Essential Math Skills for Engineers

In *Math for Programmers* you'll explore important mathematical concepts through hands-on coding. Filled with graphics and more than 300 exercises and mini-projects, this book unlocks the door to interesting—and lucrative!—careers in some of today's hottest fields. As you tackle the basics of linear algebra, calculus, and machine learning, you'll master the key Python libraries used to turn them into real-world software applications. Summary To score a job in data science, machine learning, computer graphics, and cryptography, you need to bring strong math skills to the party. *Math for Programmers* teaches the math you need for these hot careers, concentrating on what you need to know as a developer. Filled with lots of helpful graphics and more than 200 exercises and mini-projects, this book unlocks the door to interesting—and lucrative!—careers in some of today's hottest programming fields. Purchase of the print book includes a free eBook in PDF,

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Kindle, and ePub formats from Manning Publications. About the technology Skip the mathematical jargon: This one-of-a-kind book uses Python to teach the math you need to build games, simulations, 3D graphics, and machine learning algorithms. Discover how algebra and calculus come alive when you see them in code! About the book In Math for Programmers you'll explore important mathematical concepts through hands-on coding. Filled with graphics and more than 300 exercises and mini-projects, this book unlocks the door to interesting-and lucrative!-careers in some of today's hottest fields. As you tackle the basics of linear algebra, calculus, and machine learning, you'll master the key Python libraries used to turn them into real-world software applications. What's inside

Vector geometry for computer graphics
Matrices and linear transformations
Core concepts from calculus
Simulation and optimization
Image and audio processing
Machine learning algorithms for regression and classification

About the reader For programmers with basic skills in algebra. About the author Paul Orland is a programmer, software entrepreneur, and math enthusiast. He is co-founder of Tachyus, a start-up building predictive analytics software for the energy industry. You can find him online at www.paulor.land.

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Basic Math for Social Scientists

Mathematics for Machine Learning

Math Overboard! is a complete review of school math, from kindergarten to Grade 12. It is ideally suited for self-study by students (especially those planning to enter college or university), parents, educators, and other interested adults. Every standard topic is completely covered, with easy-to-understand explanations. Math Overboard! places equal emphasis on computational skills and overall comprehension of math. Frequent Problems support learning. Math Overboard! is designed to remove any gaps in your mathematical training (or remembrance) -- gaps that can be devastating in terms of allowing you to succeed in more advanced, college-level courses. If, for example, you feel shaky in Algebra, or Trigonometry, studying the chapters on those topics will rapidly bring you "up to speed." Using the detailed Index can lead you to discussions of words or topics that

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you may have forgotten. Finally, Math Overboard! describes many real-world uses of elementary mathematics, in Science, Technology, Finance and Economics, and other fields. Reading about these applications will help to convince you of the usefulness of one of mankind's greatest achievements, the world of mathematics. Colin W. Clark is Professor Emeritus of Mathematics at the University of British Columbia. Math Overboard! is the book that Dr. Clark wishes his students had access to, as they struggled to grasp Calculus based on a weak understanding (often misunderstanding) of school-level math. Clark's previous books include Mathematical Bioeconomics - The Mathematics of Conservation, and Dynamic State-Variable Models in Ecology. Colin and his wife Janet live in Richmond, a suburb of Vancouver, Canada.

Basic Math for Game Development with Unity 3D

A Supplement for Food Science & Engineering Students Who Need to Improve Their Mathematical Skills A remedial textbook for understanding mathematical theories and formulas, Math Concepts for Food Engineering, Second Edition helps students improve their mathematical skills so that they can succeed in food engineering cour

Mastering Essential Math Skills

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Readers wishing to extend their mathematical skills will find this volume a practical companion. Easy-to-follow explanations cover fractions, decimals, square roots, metric system, algebra, more. 195 figures. 1943 edition.

Introduction to Applied Linear Algebra

Energy may be the most important factor that will influence the shape of society in the 21st century. The cost and availability of energy significantly impacts our quality of life and the health of national economies. This book examines the energy sources that play a vital role in society.

Basic Math Refresher (REA)

Mathematical Methods in Science and Engineering

This is an entry level text for a wide range of courses in computer science, medicine, health sciences, social sciences, business, engineering and science. Using the phenomenally successful approach of the bestselling Engineering Mathematics by the same authors, it takes you through the math step-by-step with a wealth of examples and exercises. It is an appropriate refresher or brush-up for

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sci-tech and business students whose math skills need further development. Offers a unique module approach that takes users through the mathematics in a step-by-step fashion with a wealth of worked examples and exercises. Contains Quizzes, Learning Outcomes and Can You? Checklists that guide readers through each topic and focus understanding. Ideal as reference or a self-learning manual.

Arithmetic Refresher

These 937 most-asked questions deal with tax problems, interest and discount, time-payment, etc. Features 809 problems and answers. "More than just a refresher . . . contains a great number of items that are not just reminders but entirely new ideas. — Bookmarks.

Introduction to Actuarial and Financial Mathematical Methods

Intended for upper-level undergraduate and graduate courses in chemistry, physics, mathematics and engineering, this text is also suitable as a reference for advanced students in the physical sciences. Detailed problems and worked examples are included.

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