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This book discusses the relationships between mathematical creativity and mathematical giftedness. It gathers the results of a literature review comprising all papers addressing mathematical creativity and giftedness presented at the International Congress on Mathematical Education (ICME) conferences since 2000. How can mathematical creativity contribute to children's balanced development? What are the

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characteristics of mathematical giftedness in early ages? What about these characteristics at university level? What teaching strategies can enhance creative learning? How can young children's mathematical promise be preserved and cultivated, preparing them for a variety of professions? These are some of the questions addressed by this book. The book offers, among others: analyses of substantial learning environments that promote creativity in mathematics lessons; discussions of a variety of strategies for posing and solving problems; investigations of students' progress throughout their schooling; and examinations of

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technological tools and virtual resources meant to enhance learning with understanding. Multiple perspectives in the interdisciplinary fields of mathematical creativity and giftedness are developed to offer a springboard for further research. The theoretical and empirical studies included in the book offer a valuable resource for researchers, as well as for teachers of gifted students in specialized or inclusive settings, at various levels of education.

This book is intended for undergraduate students and all those interested in mathematics. Its goal is to give an easy introduction to the concept of a

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transformation group using examples from different areas of mathematics. The warm-up of the first two chapters includes a discussion of algebraic operations on points in the plane, and of Euclidean plane movements. Then the notions of a transformation group and of an abstract group are introduced. Group actions, orbits, and invariants constitute the subject of the next chapter. The book concludes with an elementary exposition of the basic ideas of Sophus Lie about symmetries of differential equations. The book contains plenty of figures, as well as many exercises with hints and solutions, which help the reader to master the

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material.

The text starts with basic functionality and the role of electrical machines in their typical applications. The effort of applying coordinate transforms is justified by obtaining a more intuitive, concise and easy-to-use model. Mathematics reduced to a necessary minimum, priority is given to bringing up the system view and explaining the use and external characteristics of machines on their electrical and mechanical ports. The aspects of machine design and construction are of secondary importance. Covering the most relevant concepts relating to machine size, torque and power, the book explains

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the losses and secondary effects, outlining cases and conditions where some secondary phenomena are neglected. While the goal of developing and using machine mathematical models, equivalent circuits and mechanical characteristics persists through the book, the focus is kept on physical insight of electromechanical conversion process. Design and construction of practical machines is discussed to the extent needed to understand the principles of operation, power losses and cooling, and the problems of power supply and control of electric machines. Details such as the slot shape and the disposition of permanent magnets are

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covered and their effects on the machine parameters and performance.

Providing a novel interpretation of Nietzsche's philosophical method, Nietzsche, Truth and Transformation addresses the philosophical problem of on what basis, if knowledge is always from a perspective, one can criticise modern humanity and culture, and how such critique can be actively responded to.

Engineering Mathematics Quick Study Guide & Workbook

The Practice of Business Statistics Student Solutions Manual

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Enhancing Creative Capacities in Mathematically Promising Students

Distributional and Fractal Calculus, Integral Transforms and Wavelets

Digital Age Tools to Spark Learning

Differential Equations

A Level Further Mathematics for OCR A Pure Core Student Book 1 (AS/Year 1) Cambridge University Press

Engineering Mathematics Quick Study Guide & Workbook:

Trivia Questions Bank, Worksheets to Review Homeschool

Notes with Answer Key PDF (Engineering Mathematics Self Teaching Guide about Self-Learning) includes revision notes

for problem solving with 350 trivia questions. Engineering

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Laplace transforms, Dirac's delta function, unit step function, s-shifting theorem, general Laplace transforms, and Laplace transform linearity. Solve Separable Ordinary Differential Equation Modeling study guide PDF with answer key, worksheet 1 trivia questions bank: Exponential growth, Boyle Mariette's law, linear accelerators, mixing problem, and radiocarbon dating.

Distributions in the Physical and Engineering Sciences is a comprehensive exposition on analytic methods for solving science and engineering problems which is written from the unifying viewpoint of distribution theory and enriched with many modern topics which are important to practitioners and researchers. The goal of the book is to give the reader,

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specialist and non-specialist usable and modern mathematical tools in their research and analysis. This new text is intended for graduate students and researchers in applied mathematics, physical sciences and engineering. The careful explanations, accessible writing style, and many illustrations/examples also make it suitable for use as a self-study reference by anyone seeking greater understanding and proficiency in the problem solving methods presented. The book is ideal for a general scientific and engineering audience, yet it is mathematically precise. The present, softcover reprint is designed to make this classic textbook available to a wider audience.

Solve for 'X' with this practical and easy guide to everything algebra A solid understanding of algebra is the key to

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unlocking other areas of math and science that rely on the concepts and skills that happen in a foundational Algebra class. Algebra I All-In-One For Dummies is the key! With it, you'll get everything you need to solve the mystery of Algebra I. This book proves that algebra is for everyone with straightforward, unit-based instruction, hundreds of examples and practice problems, and two quizzes for every chapter – one in the book and another (totally different!) online. From graph and word problems to the FOIL method and common algebra terminology, Algebra I All-In-One For Dummies walks you step-by-step through ALL the concepts you need to know to slay your Algebra I class. In this handy guide, you'll also: Receive instruction and tips on how to handle basic and

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intermediate algebraic tasks such as factoring and equation simplification Banish math anxiety forever by developing an intuitive understanding of how algebra works Get a handle on graphing problems and functions, as well as inequalities and word problems Algebra I All-In-One For Dummies is a must-read for Algebra students looking for an everything-in-one-book supplement to their coursework, as well as anyone hoping to brush up on their math before tackling a related subject, such as physics, chemistry, or a more advanced math topic.

*Introductory Chemistry: An Active Learning Approach
As the Foundation of a New System of Practice ...
Theory and Implementation*

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your brain with complex and imaginary numbers, and apply formulas from statistics and probability theory. You'll also find: Accessible and practical lessons and practice for second year high-school or university algebra students End-of-chapter quizzes that help you learn – and remember! – key algebraic concepts, such as quadratic equations, graphing techniques, and matrices One-year access to additional chapter quizzes online, where you can track your progress and get real-time feedback! Your own personal mathematical toolbox for some of the most useful and foundational math you'll learn in school, this Algebra II All-in-One For Dummies combines hands-on techniques, methods, and strategies from a variety of sources into one, can't-miss reference. You'll get the insights, formulas, and practice you need, all in a single

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book (with additional quizzes online!) that's ideal for students and lifelong learners alike!

New 2017 Cambridge A Level Maths and Further Maths resources to help students with learning and revision.

Written for the OCR AS/A Level Further Mathematics specification for first teaching from 2017, this print Student Book covers the Pure Core content for AS and the first year of A Level. It balances accessible exposition with a wealth of worked examples, exercises and opportunities to test and consolidate learning, providing a clear and structured pathway for progressing through the course. It is underpinned by a strong pedagogical approach, with an emphasis on skills development and the synoptic nature of the course. Includes answers to aid independent study.

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Transforming Teen Behavior: Parent-Teen Protocols for Psychosocial Skills Training is a clinician's guide for treating teens exhibiting emotional and behavioral disturbances. Unlike other protocols, the program involves both parents and teens together, is intended for use by varied provider types of differing training and experience, and is modular in nature to allow flexibility of service. This protocol is well-established, standardized, evidence-based, and interdisciplinary. There are 6 modules outlining parent training techniques and 6 parallel and complementary modules outlining psychosocial skills training techniques for teens. The program is unique in its level of parent involvement and the degree to which it is explicit, structured, and standardized. Developed at Children ' s Hospital

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Colorado (CHCO), and in use for 8+years, the book summarizes outcome data indicating significant, positive treatment effects. Useful for teens with varied clinical presentations Evidence-based program with efficacy data included Explicit, user-friendly protocols, for easy implementation Appropriate for use by varied provider types in varied settings Includes activities, patient handouts, and identifies structured format and delivery

A series of titles written to cover the complete Cambridge IGCSE Mathematics (0580) syllabus and endorsed by Cambridge International Examinations. Cambridge IGCSE Mathematics Extended Practice Book offers a wealth of questions, with hints and tips along the way to reinforce skills and learning. It provides comprehensive and targeted

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exercises ensuring plenty of practice both for the classroom and for independent learning. With concise reminders at the start of each topic, and hints in the margin, it is designed to work as a stand alone practice tool that will successfully accompany any IGCSE mathematics textbook. Those using the Cambridge Coursebook will find this a complementary asset with extra questions. For additional exam practice, access to full exam-style papers is also available.

Pre-Calculus For Dummies

Praxis Core For Dummies, with Online Practice Tests

Circuit Simulation Methods and Algorithms

27th International Symposium, LOPSTR 2017, Namur, Belgium, October 10-12, 2017, Revised Selected Papers

Place and the Material in Rhetoric and Writing

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Transforming Ethos

The 2nd edition of this successful book has several new features. The calibration discussion of the basic LIBOR market model has been enriched considerably, with an analysis of the impact of the swaptions interpolation technique and of the exogenous instantaneous correlation on the calibration outputs. A discussion of historical estimation of the instantaneous correlation matrix and of rank reduction has been added, and a LIBOR-model consistent swaption-volatility

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interpolation technique has been introduced. The old sections devoted to the smile issue in the LIBOR market model have been enlarged into a new chapter. New sections on local-volatility dynamics, and on stochastic volatility models have been added, with a thorough treatment of the recently developed uncertain-volatility approach. Examples of calibrations to real market data are now considered. The fast-growing interest for hybrid products has led to a new chapter. A special focus here is devoted to the pricing of inflation-linked derivatives.

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The three final new chapters of this second edition are devoted to credit. Since Credit Derivatives are increasingly fundamental, and since in the reduced-form modeling framework much of the technique involved is analogous to interest-rate modeling, Credit Derivatives -- mostly Credit Default Swaps (CDS), CDS Options and Constant Maturity CDS - are discussed, building on the basic short rate-models and market models introduced earlier for the default-free market. Counterparty risk in interest rate payoff valuation is also

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considered, motivated by the recent Basel II framework developments.

A comprehensive exposition on analytic methods for solving science and engineering problems, written from the unifying viewpoint of distribution theory and enriched with many modern topics which are important to practitioners and researchers. The book is ideal for a general scientific and engineering audience, yet it is mathematically precise. Available in the PBS UpGrade Study Pack, the manual explanations of crucial concepts in each

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section of PBS, plus detailed solutions to key problems and step-through models of important techniques.

This study guide is designed for students taking courses in differential equations. The textbook includes examples, questions, and exercises that will help engineering students to review and sharpen their knowledge of the subject and enhance their performance in the classroom. Offering detailed solutions, multiple methods for solving problems, and clear explanations of concepts, this hands-on guide

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will improve students problem-solving skills and basic and advanced understanding of the topics covered in electric circuit analysis courses. Exercises cover a wide selection of basic and advanced questions and problems. Categorizes and orders the problems based on difficulty level, hence suitable for both knowledgeable and under-prepared students. Provides detailed and instructor-recommended solutions and methods, along with clear explanations. Can be used along with the core textbooks in differential equations.

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Continuum Mechanics Via Problems and

Exercises: Answers and solutions

Mathematical Creativity and Mathematical
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Algebra II All-in-One For Dummies

Marketing Research

New 2017 Cambridge A Level Maths and Further Maths

resources to help students with learning and revision. Written for the AQA AS/A Level Further Mathematics specifications for first teaching from 2017, this print Student Book covers the

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compulsory content for AS and the first year of A Level. It balances accessible exposition with a wealth of worked examples, exercises and opportunities to test and consolidate learning, providing a clear and structured pathway for progressing through the course. It is underpinned by a strong pedagogical approach, with an emphasis on skills development and the synoptic nature of the course. Includes answers to aid independent study. This book has entered an AQA approval process.

This book constitutes the thoroughly refereed post-conference proceedings of the 27th International Symposium on Logic-Based Program Synthesis and Transformation, LOPSTR 2017, held in Namur, Belgium, in October 2017. The 19 revised full papers were carefully reviewed and selected from 29 submissions.

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In addition to the 19 revised papers, this volume includes the abstracts of the invited talks by three outstanding speakers: Sumit Gulwani, Marieke Huisman, and Grigore Roşu. The aim of the LOPSTR series is to stimulate and promote international research and collaboration on logic-based program development.

LOPSTR is open to contributions in all aspects of logic-based program development, all stages of the software life cycle, and issues of both programming-in-the-small and programming-in-the-large. LOPSTR traditionally solicits contributions, in any language paradigm, in the areas of synthesis, specification, transformation, analysis and verification, specialization, testing and certification, composition, program/model manipulation, optimization, transformational techniques in SE, inversion,

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applications, and tools.

College Algebra provides a comprehensive exploration of algebraic principles and meets scope and sequence requirements for a typical introductory algebra course. The modular approach and richness of content ensure that the book meets the needs of a variety of courses. College Algebra offers a wealth of examples with detailed, conceptual explanations, building a strong foundation in the material before asking students to apply what they've learned. Coverage and Scope In determining the concepts, skills, and topics to cover, we engaged dozens of highly experienced instructors with a range of student audiences. The resulting scope and sequence proceeds logically while allowing for a significant amount of flexibility in instruction. Chapters 1

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and 2 provide both a review and foundation for study of Functions that begins in Chapter 3. The authors recognize that while some institutions may find this material a prerequisite, other institutions have told us that they have a cohort that need the prerequisite skills built into the course. Chapter 1: Prerequisites Chapter 2: Equations and Inequalities Chapters 3-6: The Algebraic Functions Chapter 3: Functions Chapter 4: Linear Functions Chapter 5: Polynomial and Rational Functions Chapter 6: Exponential and Logarithm Functions Chapters 7-9: Further Study in College Algebra Chapter 7: Systems of Equations and Inequalities Chapter 8: Analytic Geometry Chapter 9: Sequences, Probability and Counting Theory Teach the course your way with INTRODUCTORY

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CHEMISTRY, 6e. Available in multiple formats (standard paperbound edition, loose-leaf edition, digital MindTap Reader edition, and a hybrid edition, which includes OWLv2), this text allows you to tailor the order of chapters to accommodate your particular 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 that are repeated throughout the book: Learn It Now! This edition integrates new technological resources, coached problems in a two-column format, and enhanced art and photography, all of

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which dovetail with the authors' active learning approach. Even more flexibility is provided in the new MindTap Reader edition, an electronic version of the text that features interactivity, integrated media, additional self-test problems, and clickable key terms and answer buttons for worked examples. 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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Transformation Groups for Beginners

ACT Math For Dummies

Logic-Based Program Synthesis and Transformation

Transforming Teen Behavior

ENGINEERING MATHEMATICS

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Offers test-taking tips, diagnostic tests, review, and three AFQT practice exams with answers and detailed explanations.

Through detailed lessons and examples, discover how to integrate technology in K-5 math to amplify and enhance your mathematics teaching and drive student learning. Instead of drill-and-practice apps and worksheets, what if technology enabled exploration of math concepts? Instead of screens for disconnected individual learning, what if technology fostered mathematical discourse and collaboration? Instead of a one-size-fits-all approach to teaching mathematics, what if we used technology to differentiate to meet students' diverse needs? Technology has the power and potential to support the teaching and learning of math content at all grade levels,

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but the presence of technology is insufficient unless it's paired with effective teaching practices and meaningful content. This book poses and unpacks the above questions and many more, with examples that illustrate how to integrate technology in the K-5 math classroom, highlighting opportunities to transform mathematics teaching through strategic technology use. The book:

- Illustrates two contrasting examples in each chapter, including transcripts of sample class conversations, mathematical tasks, illustrations of student work and reflection and discussion prompts.
- Features discussion of research-based ideas relating to the contrasts presented in the chapters, encouraging readers to connect what they learn from the specific cases with the research on these topics.
- Covers a variety of mathematics

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content areas such as functions and algebraic thinking, geometry and measurement, and data and statistics. • Provides strategies for implementing the concepts in class, with ideas and examples of tools based not on how they look but what they can do in your mathematics teaching. Today ' s technology offers more possibilities than ever for supporting students in mathematics. This book draws upon the latest research in technology and math education, while providing tools to incorporate effective strategies into curriculum right away.

Circuit Simulation Methods and Algorithms provides a step-by-step theoretical consideration of methods, techniques, and algorithms in an easy-to-understand format. Many illustrations explain more difficult problems and present instructive

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circuits. The book works on three levels: The simulator-user level for practitioners and students who want to better understand circuit simulators. The basic theoretical level, with examples, dedicated to students and beginning researchers. The thorough level for deep insight into circuit simulation based on computer experiments using PSPICE and OPTIMA. Only basic mathematical knowledge, such as matrix algebra, derivatives, and integrals, is presumed.

Offers a review of the topics covered on the Praxis Core Academic Skills for Educators exam, test-taking strategies, and five full-length practice tests.

Nietzsche, Truth and Transformation

Practice Problems, Methods, and Solutions

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Master the ASVAB Basics

A Level Further Mathematics for OCR A Pure Core Student Book 1 (AS/Year 1)

Graphical and Tabular Methods in Crystallography

Over the past decade, the field of image processing has made tremendous advances. One type of image processing that is currently of particular interest is "tomographic imaging," a technique for computing the density function of a body, or discontinuity surfaces of this function. Today, tomography is widely used, and has applications in such fields as medicine, engineering, physics, geophysics, and security. The Radon Transform and Local Tomography clearly explains the theoretical, computational, and practical aspects of applied

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tomography. It includes sufficient background information to make it essentially self-contained for most readers.

A Modern Introduction to Differential Equations, Third Edition, provides an introduction to the basic concepts of differential equations. The book begins by introducing the basic concepts of differential equations, focusing on the analytical, graphical and numerical aspects of first-order equations, including slope fields and phase lines. The comprehensive resource then covers methods of solving second-order homogeneous and nonhomogeneous linear equations with constant coefficients, systems of linear differential equations, the Laplace transform and its applications to the solution of differential equations and

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systems of differential equations, and systems of nonlinear equations. Throughout the text, valuable pedagogical features support learning and teaching. Each chapter concludes with a summary of important concepts, and figures and tables are provided to help students visualize or summarize concepts. The book also includes examples and updated exercises drawn from biology, chemistry, and economics, as well as from traditional pure mathematics, physics, and engineering. Offers an accessible and highly readable resource to engage students Introduces qualitative and numerical methods early to build understanding Includes a large number of exercises from biology, chemistry, economics, physics and engineering Provides exercises that are labeled based on

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difficulty/sophistication and end-of-chapter summaries

This book constitutes the proceedings of the 19th International Conference on Tools and Algorithms for the Construction and Analysis of Systems, TACAS 2013, held in Rome, Italy, in March 2013. The 42 papers presented in this volume were carefully reviewed and selected from 172 submissions. They are organized in topical sections named: Markov chains; termination; SAT/SMT; games and synthesis; process algebra; pushdown; runtime verification and model checking; concurrency; learning and abduction; timed automata; security and access control; frontiers (graphics and quantum); functional programs and types; tool demonstrations; explicit-state model checking; Büchi automata; and competition on

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software verification.

In *Marketing Research, 11th Edition*, authors Carl McDaniel & Roger Gates share their industry experience to teach students how to make critical business decisions through the study of market research. Designed for marketing research courses, the authors' practical, applications-based approach features Real Data, Real People, and Real Research, to prepare students to conduct and use market research for future careers in business. *Marketing Research, 11th Edition* features new trends, features and cases throughout, with updated chapters featuring new examples of companies and research firms, from Ilycaffe, the famous Italian coffee brand, Twitter, ESPN, Ford and General Motors. Co-author Roger Gates, President of DSS

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Research, infuses the text with a practitioner perspective, helping students learn how to use marketing research through a practical presentation of theory and practice.

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calculus. Calculus-level math proficiency is required for college STEM majors. Pre-calculus introduces you to the concepts you'll learn in calculus, and provides you with a solid foundation of methods and skills that are essential to calculus success. 1,001 Pre-Calculus Practice Problems For Dummies gives you the practice you need to master the skills and conquer pre-calculus. Companion website includes: All 1,001 practice problems in multiple choice format Customizable practice sets for self-directed study Problems ranked as easy, medium, and hard Free one-year

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access to the online question bank Math is notorious for giving students trouble, and calculus is the #1 offender. Fear not! Pre-calculus is the perfect calculus prep, and 1,001 Pre-Calculus Practice Problems For Dummies gives you 1,001 opportunities to get it right.

This book addresses the applications of Fourier transform to smile modeling. Smile effect is used generically by financial engineers and risk managers to refer to the inconsistencies of quoted implied volatilities in financial markets, or more mat- matically, to the leptokurtic distributions of

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Financial assets and indices. Therefore, a sound modeling of smile effect is the central challenge in quantitative finance. Since more than one decade, Fourier transform has triggered a technical revolution in option pricing theory. Almost all new developed option pricing models, especially in connection with stochastic volatility and random jump, have extensively applied Fourier transform and the corresponding inverse transform to express option pricing formulas. The large accommodation of the Fourier transform allows for a very convenient modeling with a general class of

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stochastic processes and distributions. This book is then intended to present a comprehensive treatment of the Fourier transform in the option valuation, covering the most stochastic factors such as stochastic volatilities and interest rates, Poisson and Levy' jumps, including some asset classes such as equity, FX and interest rates, and providing numerical examples and prototype programming codes. I hope that readers will benefit from this book not only by gaining an overview of the advanced theory and the vast large literature on these topics, but also by gaining a

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First-hand feedback from the practice on the applications and implementations of the theory. The rapidly growing field of behavioral ethics shows that dishonest acts are highly prevalent in all walks of life, from corruption among politicians through flagrant cases of doping in sports, to everyday slips and misdemeanors of ordinary people who nevertheless perceive themselves as highly moral. When considered cumulatively, these seemingly innocuous and ordinary unethical behaviors cause considerable societal damage and add up to billions of dollars annually. Research in

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behavioral ethics has made tremendous advances in characterizing many contextual and social factors that promote or hinder dishonesty. These findings have prompted the development of interventions to curb dishonesty and to help individuals become more committed to ethical standards. The current e-book includes studies that test and advance current theory and deepen our understanding of the cognitive and physiological processes underlying dishonest behavior, discuss possible implications of findings in behavioral ethics research for real life

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situations, document dishonest behavior in the field and/or directly examines interventions to reduce it.

Multiply your chances of success on the ACT Math Test The ACT Mathematics Test is a 60-question, 60-minute subtest designed to measure the mathematical skills students have typically acquired in courses taken by the end of 11th grade, and is generally considered to be the most challenging section of the ACT. ACT Math For Dummies is an approachable, easy-to-follow study guide specific to the Math section, complete with

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practice problems and strategies to help you prepare for exam day. Review chapters for algebra, geometry, and trigonometry Three practice tests modeled from questions off the most recent ACT tests Packed with tips, useful information, and strategies ACT Math For Dummies is your one-stop guide to learn, review, and practice for the test!

U Can: Algebra I For Dummies

19th International Conference, TACAS 2013, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2013,

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*Rome, Italy, March 16-24, 2013, Proceedings
Parent Teen Protocols for Psychosocial Skills
Training*

*Philosophical Foundations and Practical
Applications*

*Distributions in the Physical and Engineering
Sciences, Volume 1*

*Trivia Questions Bank, Worksheets to Review
Homeschool Notes with Answer Key*

Transformative approaches to teaching and learning have become ubiquitous in education today. Researchers, practitioners

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and commentators alike often claim that a truly worthwhile education should transform learners in a profound and enduring way. But what exactly does it mean to be so transformed? What should teachers be transforming students into? Should they really attempt to transform students at all? The Transformative Classroom engages with these questions left open by the vast discussion of transformative education, providing a synthetic overview and critique of some of the most influential approaches today. In doing so, the book offers a new

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theory of transformative education that focuses on awakening and facilitating students' aspiration. Drawing on important insights from ethics, psychology, and the philosophy of education, the book provides both conceptual clarity and concrete practical guidance to teachers who hope to create a transformative classroom. This book will be of great interest for academics, K-12 teachers, researchers and students in the fields of curriculum and instruction, teaching and learning, adult education, social justice education, educational theory

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and philosophy of education.

This well-received book, now in its second edition, is intended for the undergraduate engineering students of all branches. The book is designed in such a manner that even an average student can comprehend the subject with ease. The text begins with the Fourier series expansions and harmonic analysis. The formation and solution of partial differential equations and their applications in elastic string, one- and two-dimensional heat flow are explained in detail. Also, the book deals with Fourier

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transforms, including sine and cosine transforms and their properties. The text concludes with Z transform and its application in solving difference equations. This new edition includes a large number of carefully selected two-mark questions with their solutions as well as a Question Bank containing important questions from all the chapters. KEY FEATURES

- 1. Concise and clear presentation of basic concepts**
- 2. Step-by-step derivation of results**
- 3. Variety of problems arranged in a graded manner**
- 4. Practice exercises at the end of each section**

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5. Answers to unsolved problems

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In Transforming Ethos Rosanne Carlo synthesizes philosophy, rhetorical theory, and composition theory to clarify the role of

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ethos and its potential for identification and pedagogy for writing studies. Carlo renews focus on the ethos appeal and highlights its connection to materiality and place as a powerful instrument for writing and its teaching—one that insists on the relational and multimodal aspects of writing and makes prominent its inherent ethical considerations and possibilities. Through case studies of professional and student writings as well as narrative reflections Transforming Ethos imagines the ethos appeal as not only connected to style and

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voice but also a process of habituation, related to practices of everyday interaction in places and with things. Carlo addresses how ethos aids in creating identification, transcending divisions between the self and other. She shows that when writers tell their experiences, they create and reveal the ethos appeal, and this type of narrative/multimodal writing is central to scholarship in rhetoric and composition as well as the teaching of writing. In addition, Carlo considers how composition is becoming compromised by

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professionalization—particularly through the idea of “transfer”—which is overtaking the critical work of self-development with others that a writing classroom should encourage in college students. Transforming Ethos cements ethos as an essential term for the modern practice and teaching of rhetoric and places it at the heart of writing studies. This book will be significant for students and scholars in rhetoric and composition, as well as those interested in higher education more broadly.

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