

Essential Specialist Mathematics Third Edition With Student Cd Rom

This step-by-step approach helps you learn algebra quickly and easily! For many students--whether they're kids in middle school or adults returning to college--algebra is a difficult subject that only gets tougher as more concepts are learned. That's why Easy Algebra Step-by-Step, Third Edition is so effective at helping you succeed where other, drill-heavy guides fail. Using an original, step-by-step approach, this write-in workbook gives you a solid foundation in the basics--the fastest, easiest way to learn algebra. You'll learn essential concepts first, allowing you to grasp the subject almost immediately. You'll then gradually progress to more challenging skills, learning how to solve practical problems more easily with the help of clear, step-by-step instructions. Learning the key concepts in order (e.g., learning rational/irrational numbers before roots and radicals, exponents, and so on) ensures that you'll get a solid foundation before moving on. Exercises for each section, complete with detailed, worked-out solutions, further helps you acquire the knowledge and skills you need to solve algebraic problems with confidence. Clear explanations break down concepts into easy-to-understand steps Stay-in-step "pop-ups" offer helpful advice and cautions against common errors Step-it-up skill-building exercises link practice to the core steps already presented Clear and concise explanations to the problems throughout Fully updated to include current references

PRACTICAL PROBLEMS IN MATHEMATICS FOR HEALTH SCIENCE CAREERS, 3RD EDITION familiarizes students in Allied Health programs with essential math processes using real-life examples and straightforward instruction. Using a word problem format, this text starts with simple examples and progresses to complex paradigms to ensure students are engaged throughout each chapter. In addition to basic applications with whole numbers, fractions, and decimals, problems involving medications, intravenous solutions, and other emulsions information are also featured on common graphs, charts, and gauges. Thoroughly updated and expanded, Practical Problems In Mathematics For Health Science Careers, 3rd Edition provides a strong foundation in the essential math processes used in all areas of health care. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The third edition of this highly acclaimed undergraduate textbook is suitable for teaching all the mathematics for an undergraduate course in any of the physical sciences. As well as lucid descriptions of all the topics and many worked examples, it contains over 800 exercises. New stand-alone chapters give a systematic account of the 'special functions' of physical science, cover an extended range of practical applications of complex variables, and give an introduction to quantum operators. Further tabulations, of relevance in statistics and numerical integration, have been added. In this edition, half of the exercises are provided with hints and answers and, in a separate manual available to both students and their teachers, complete worked solutions. The remaining exercises have no hints, answers or worked solutions and can be used for unaided homework; full solutions are available to instructors on a password-protected web site, www.cambridge.org/9780521679718.

Math Basics 3

Essential Specialist Mathematics Third Edition Enhanced TIN/CP Version

Conversion Table of Code and Title Changes, Third to Fourth Edition, Dictionary of Occupational Titles

More Trouble with Maths

An Author, Title, and Illustrator Index to Books for Children and Young Adults

This textbook provides a unified and concise exploration of undergraduate mathematics by approaching the subject through its history. Readers will discover the rich tapestry of ideas behind familiar topics from the undergraduate curriculum, such as calculus, algebra, topology, and more. Featuring historical episodes ranging from the Ancient Greeks to Fermat and Descartes, this volume offers a glimpse into the broader context in which these ideas developed, revealing unexpected connections that make this ideal for a senior capstone course. The presentation of previous versions has been refined by omitting the less mainstream topics and inserting new connecting material, allowing instructors to cover the book in a one-semester course. This condensed edition prioritizes succinctness and cohesiveness, and there is a greater emphasis on visual clarity, featuring full color images and high quality 3D models. As in previous editions, a wide array of mathematical topics are covered, from geometry to computation; however, biographical sketches have been omitted. Mathematics and Its History: A Concise Edition is an essential resource for courses or reading programs on the history of mathematics. Knowledge of basic calculus, algebra, geometry, topology, and set theory is assumed. From reviews of previous editions: "Mathematics and Its History is a joy to read. The writing is clear, concise and inviting. The style is very different from a traditional text. I found myself picking it up to read at the expense of my usual late evening thriller or detective novel.... The author has done a wonderful job of tying together the dominant themes of undergraduate mathematics." Richard J. Wilders, MAA, on the Third Edition "The book...is presented in a lively style without unnecessary detail. It is very stimulating and will be appreciated not only by students. Much attention is paid to problems and to the development of mathematics before the end of the nineteenth century.... This book brings to the non-specialist interested in mathematics many interesting results. It can be recommended for seminars and will be enjoyed by the broad mathematical community." European Mathematical Society, on the Second Edition

Quickly acquire the knowledge and skills you need to confidently administer, score, and interpret the WIAT-III and KTEA-II Essentials of WIAT-III and KTEA-II Assessment is the only resource providing practical, step-by-step instruction in the accurate and effective use of the Wechsler Individual Achievement Test, Third Edition (WIAT-III) and the Kaufman Test of Educational Achievement, Second Edition (KTEA-II), two popular measures of individual achievement frequently administered for educational planning, transitional programming for students with disabilities, and vocational guidance. Like all the volumes in the Essentials of Psychological Assessment series, this book is designed to help busy mental health practitioners, and those in training, quickly acquire the basic knowledge and skills they need to make optimal use of a major psychological assessment instrument. Each concise chapter features numerous callout boxes highlighting key concepts, bulleted points, and extensive illustrative material, as well as test questions that help you gauge and reinforce your grasp of the information covered. Offering up-to-date and rich information beyond what is available in the

tests' manuals, Essentials of WIAT-III and KTEA-II Assessment includes case studies illustrating how to make optimal use of the tests. In addition, the book is packaged with an accompanying CD-ROM containing a program allowing users to enter KTEA-II data to obtain growth scores; useful files to assist users in the proper administration and scoring of the WIAT-III Written Expression subtests; and a cross-battery approach for both tests. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

This is the second edition of the now definitive text on partial differential equations (PDE). It offers a comprehensive survey of modern techniques in the theoretical study of PDE with particular emphasis on nonlinear equations. Its wide scope and clear exposition make it a great text for a graduate course in PDE. For this edition, the author has made numerous changes, including a new chapter on nonlinear wave equations, more than 80 new exercises, several new sections, a significantly expanded bibliography. About the First Edition: I have used this book for both regular PDE and topics courses. It has a wonderful combination of insight and technical detail. ... Evans' book is evidence of his mastering of the field and the clarity of presentation. --Luis Caffarelli, University of Texas It is fun to teach from Evans' book. It explains many of the essential ideas and techniques of partial differential equations ... Every graduate student in analysis should read it. --David Jerison, MIT I use Partial Differential Equations to prepare my students for their Topic exam, which is a requirement before starting working on their dissertation. The book provides an excellent account of PDE's ... I am very happy with the preparation it provides my students. --Carlos Kenig, University of Chicago Evans' book has already attained the status of a classic. It is a clear choice for students just learning the subject, as well as for experts who wish to broaden their knowledge ... An outstanding reference for many aspects of the field. --Rafe Mazzeo, Stanford University

Universal Algebra

Essentials of WISC-V Integrated Assessment

Principles of Financial Engineering

An Illustrated Guide for New Users, Third Edition

Mathematics for Australia 7

Everything you need to know in order to manage risk effectively within your organization You cannot afford to ignore the explosion in mathematical finance in your quest to remain competitive. This exciting branch of mathematics has very direct practical implications: when a new model is tested and implemented it can have an immediate impact on the financial environment. With risk management top of the agenda for many organizations, this book is essential reading for getting to grips with the mathematical story behind the subject of financial risk management. It will take you on a journey—from the early ideas of risk quantification up to today's sophisticated models and approaches to business risk management. To help you investigate the most up-to-date, pioneering developments in modern risk management, the book presents statistical theories and shows you how to put statistical tools into action to investigate areas such as the design of mathematical models for financial volatility or calculating the value at risk for an investment portfolio. Respected academic author Simon Hubbert is the youngest director of a financial engineering program in the U.K. He brings his industry experience to his practical approach to risk analysis Captures the essential mathematical tools needed to explore many common risk management problems Website with model simulations and source code enables you to put models of risk management into practice Plunges into the world of high-risk finance and examines the crucial relationship between the risk and the potential reward of holding a portfolio of risky financial assets This book is your one-stop-shop for effective risk management.

Get Better Results with high quality content, exercise sets, and step-by-step pedagogy! The Miller/O'Neill/Hyde author team continues to offer an enlightened approach grounded in the fundamentals of classroom experience in Basic College Mathematics. The text reflects the compassion and insight of its experienced author team with features developed to address the specific needs of developmental level students. Throughout the text, the authors communicate to students the very points their instructors are likely to make during lecture, and this helps to reinforce the concepts and provide instruction that leads students to mastery and success. Also included are Problem Recognition Exercises, designed to help students recognize which solution strategies are most appropriate for a given exercise. These types of exercises, along with the number of practice problems and group activities available, permit instructors to choose from a wealth of problems, allowing ample opportunity for students to practice what they learn in lecture to hone their skills. In this way, the book perfectly complements any learning platform, whether traditional lecture or distance-learning; its instruction is so reflective of what comes from lecture, that students will feel as comfortable outside of class as they do inside class with their instructor.

Now in its third edition, Mathematics in the Primary School has been updated to reflect recent mathematics curriculum documentation and revised standards for QTS. Key areas include: The role of talk in learning maths Teacher questioning Development of children's reasoning Creative engagement with maths Assessment for learning and self assessment Suggested resources for teachers including ICT Providing a coherent set of principles for teaching primary mathematics across the main topics in the curriculum, the authors explore children's understanding of key areas of mathematics, at reception, infant and junior levels. Important principles and teaching approaches are identified, including the use of calculators and computers, and there is an emphasis on mental mathematics and problem solving supporting key issues raised by the Williams review (2008). Case studies are used throughout to illustrate how different teaching approaches are put into practice and how children respond to them, and there is advice on planning, organisation and assessment of mathematical learning in the classroom. Emphasising the importance of teachers' own mathematical knowledge and offering clear guidance and practical advice, this book is essential reading for students, NQTs and practising teachers with a focus on primary mathematics.

Integrating Science, Technology, Engineering, and Mathematics

Mathematics in the Primary School

Essentials of WIAT-III and KTEA-II Assessment

Australian National Bibliography

Mathematics for the International Student: Worked solutions

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questioning Development of children's reasoning Creative engagement with maths Assessment for learning and self assessment Suggested resources for teachers including ICT Providing a coherent set of principles for teaching primary mathematics across the main topics in the curric.

"STEM Lesson Essentials moves beyond the rhetoric and provides knowledge, tools, models, and examples that make STEM a reality of teaching and learning in classrooms." -Rodger Bybee, Executive Director (Retired), Biological Sciences Curriculum Study
 Want to know how to implement authentic STEM teaching and learning into your classroom? STEM Lesson Essentials provides all the tools and strategies you'll need to design integrated, interdisciplinary STEM lessons and units that are relevant and exciting to your students. With clear definitions of both STEM and STEM literacy, the authors argue that STEM in itself is not a curriculum, but rather a way of organizing and delivering instruction by weaving the four disciplines together in intentional ways. Rather than adding two new subjects to the curriculum, the engineering and technology practices can instead be blended into existing math and science lessons in ways that engage students and help them master 21st century skills. STEM Lesson Essentials shows teachers how to begin the STEM integration journey with: five guiding principles for effective STEM instruction classroom examples of what these principles look like in action sample activities that put all four STEM fields into practice lesson planning templates for STEM units. Explicit connections are made among the STEM practices, including the Common Core Standards for Mathematical Practice and the Framework for K-12 Science Education, helping you easily recognize ways in which STEM lessons can engage students in multiple standards at the same time. With ideas that are practical and achievable in any classroom, STEM Lesson Essentials will give you the confidence and knowledge to weave engineering and technology concepts into your math and science curriculum. STEM teaching doesn't have to be hard. You just have to get started. Try it out with STEM Lesson Essentials, and watch student understanding, achievement, and motivation soar. Save with bundles! Purchase 15 copies and get 15% off with a Book Study Bundle.

Essential Specialist Mathematics Third Edition Enhanced TIN/CP Version Cambridge University Press
 1973: July-December

Resources in Education

JMP® Essentials

Essential Mathematics for Market Risk Management

Universal Algebra has become the most authoritative, consistently relied on text in a field with applications in other branches of algebra and other fields such as combinatorics, geometry, and computer science. Each chapter is followed by an extensive list of exercises and problems. The "state of the art" account also includes new appendices (with contributions from B. Jónsson, R. Quackenbush, W. Taylor, and G. Wenzel) and a well selected additional bibliography of over 1250 papers and books which makes this an indispensable new edition for students, faculty, and workers in the field.

Learn to easily master the types of veterinary nursing calculations you will face on the job with Essential Calculations for Veterinary Nurses and Technicians, 3rd Edition. From basic arithmetic to dilutions and statistics, this useful text covers all aspects of calculations as applied to veterinary nursing. Readers will benefit from the text's common sense approach to clinical situations, and complete the book knowing how to use calculations to determine dosage rates, anesthetic flow rates, radiography exposure rates, parenteral nutrition, and more. User-friendly features include simple language, detailed explanations, ample examples, and special author guidance so that content is easy to follow and understand. Plus, the text's abundance of learning features – such as self-assessment questions, clinical hints, and tips – help clarify important concepts and ensure that you have mastered everything you need to make calculations in the day-to-day clinical environment. Self-test sections with clinical hints and tips ensure retention of core concepts. Mathematical explanations using veterinary terms presents all principles in a manner that directly pertains to the veterinary field. Comprehensive content covers everything from basic arithmetic to dilutions and statistics so users have everything needed to succeed in calculations for veterinary nursing and technology. Dimensional analysis bridge method removes the necessity of memorizing formulae and takes advantage of simplifying equations so that calculators are often unnecessary. NEW! Reviewed and updated drugs throughout the book provide dosage calculations that coincide with drugs currently used in the field for the most clinical relevance. NEW! Additional math problems housed on the Evolve companion website offer substantial additional practice.

More Trouble with Maths acknowledges that there are many reasons why children and adults are unable to function mathematically. Difficulties include problems with rote learning basic facts and procedures, debilitating anxiety, poor working and short-term memories and mathematics vocabulary. Central to this new edition is a range of standardised tests and diagnostic activities, including a 15 minute test of basic mathematics, a thinking style test, tests of basic fact retrieval and maths anxiety. Guiding the reader in the interpretation of tests, this new edition shows how identifying the barriers to learning is the first step in a programme of intervention. Written in an engaging and user-friendly style, Steve Chinn draws on his extensive experience and expertise to: show how to consider and appraise the many factors relating to mathematical learning difficulties explain how these factors can be investigated explore their impact on learning mathematics. Emphasising the need for a clinical approach when

assessing individuals, this book shows how diagnosis and assessment can become integrated into everyday teaching. This highly practical and relevant resource is a crucial resource for anyone who wants to accurately and effectively identify the depth and nature of mathematical learning difficulties and dyscalculia.

Easy Algebra Step-By-Step, Third Edition

Catalog of Copyright Entries. Third Series

Written for the VCE Accredited Course 1997-2000

Forthcoming Books

A Sense of Progression

"This book serves many important purposes. The process approach to psychological assessment is articulated and the reader clearly instructed on its application when developing educational interventions. Information from relevant literature and results from clinical studies during the scale's development are provided to facilitate a clinically rich interpretation of a child's cognitive processes. The reader will learn many new administration and scoring procedures, because relative to the WISC-IV Integrated the fifth edition of the test includes modifications to item content, administration, and scoring procedures for retained subtests, as well as new subtests and the first composite scores ever developed for this measure"--

What is the role of the mathematics specialist? What is deep subject knowledge in mathematics? What sort of pedagogical knowledge does a mathematics specialist need? How can you best support your colleagues to improve mathematics teaching and learning? Becoming a Primary Mathematics Specialist Teacher helps you explore the role of the specialist in promoting positive attitudes towards mathematics and developing the teaching and learning of mathematics in your primary school. Illustrated throughout with classroom-based examples and referenced to relevant research, it is designed to support your development as a reflective practitioner who can confidently review and develop practice in your own classroom, as well as challenge and move the whole school forward through collaborative professional development. Essential topics explored include: The nature of the role of the primary mathematics specialist Understanding how attitudes to mathematics evolve, and why it is crucial to challenge and change negativity What we mean by deep subject knowledge in primary mathematics Pedagogical knowledge of how mathematics is taught and learned The skills of coaching and mentoring to support teachers and teaching assistants Unpicking the principles of progression for high quality teaching in all years groups The key features of deep subject knowledge and pedagogy in three areas of the curriculum: multiplication, time and data handling. Becoming a Primary Mathematics Specialist Teacher is an essential source of guidance and ideas for all primary school teachers aiming to achieve Mathematics Specialist status or already taking this role, those studying primary mathematics as a specialism and at masters level, and for all primary mathematics co-ordinators.

Essentials of Elementary Science presents pertinent research, valued classroom methodology, and current practice in teaching elementary science at a length, format, and price perfect for the undergraduate course in science methods. It is ideal for "block" courses where more than one content area's methods are taught, or for general methods courses where the instructor would like more coverage of specific subjects.

Becoming a Primary Mathematics Specialist Teacher

Partial Differential Equations

Mathematical Methods for Physics and Engineering

Joyce in the Belly of the Big Truck; Workbook

Solutions Supplement

Essential Mathematics provides a single unified course of study which addresses all the key skills outcomes.

The UK National Curriculum is clear about the importance of reasoning and problem-solving in mathematics. Mastery and Depth in Primary Mathematics aims to support trainee and established teachers to embed mathematical thinking into their lessons. The authors focus on practical and actionable ways that primary teachers can develop their children's mathematical thinking, reasoning and problem-solving: ideas which are at the heart of the UK National Curriculum. Covering a range of areas in mathematical thinking such as reasoning, problem-solving and pattern-spotting, as well as systematic and investigative thinking, each chapter provides clear examples of how teachers can make small, manageable 'rich tweaks' to their existing lessons to increase the opportunities for children to develop their mathematical thinking. Teachers will be able to dip into the book and find inspiration and ideas that they can use immediately and, importantly, develop a set of principles and skills which will enable them to take any mathematical activity and tweak it to develop their pupils' thinking skills. This practical guide will be invaluable to all trainee teachers and early-career teachers that wish to enhance their primary mathematics teaching.

Master the basics! By mastering essential third grade math skills, your child will feel more confident in the classroom. This workbook follows the Principles and Standards for School Mathematics, published by the National Council for Teachers of Mathematics (NCTM), and features interesting activities and colorful illustrations that introduce the basics covered in third grade math. Exercises that involve concepts such as understanding four-digit numbers, place value, and division with remainders are designed to keep your child engaged and learning. Math may be difficult, but School Zone helps make it as fun and easy-to-follow as possible. Accelerate your child's learning today!

Mastery and Depth in Primary Mathematics**Student Problem Manual for Use with Essentials of Corporate Finance, Third Edition [by]****Stephen A. Ross, Randolph W. Westerfield, Bradford D. Jordan****Mathematics and Its History****Essential Advanced General Mathematics Third Edition Enhanced TIN/CP Version****Children's Books in Print, 2007**

Grasp the essentials of JMP to generate rapid results. JMP Essentials: An Illustrated Guide for New Users, Third Edition, is designed for novice JMP users who need to generate meaningful analysis quickly. The book focuses on the most commonly used platforms and typical tasks of the user, from data importing, exploring, and visualizing to modeling and sharing results with others. Throughout the book, the authors emphasize results over theory, providing just the essential steps with corresponding screenshots. In most cases, each section completes a task which maximizes the book's utility as a reference. This edition has new instructions and screenshots reflecting the features added to the release of JMP software, including updated sections on JMP Dashboard Builder, Query Builder, the Fit Model platform, JMP Public and JMP Live, and a more detailed look at the JMP website. Each chapter contains a family of features that are carefully crafted to first introduce basic features and then move on to more advanced topics. JMP Essentials: An Illustrated Guide for New Users, Third Edition, is the quickest and most accessible reference book available.

Principles of Financial Engineering, Third Edition, is a highly acclaimed text on the fast-paced and complex subject of financial engineering. The updated edition describes the "engineering" elements of financial engineering instead of the mathematics underlying it. It shows how to use financial tools to accomplish a goal rather than describing the tools themselves. It lays emphasis on the engineering aspects of derivatives (how to create them) rather than their pricing (how they act) in relation to other instruments, the financial markets, and financial market practices. This volume explains ways to create financial tools and how the tools work together to achieve specific goals. Applications are illustrated using real-world examples. It presents three new chapters on financial engineering in topics ranging from commodity markets to financial engineering applications in hedge fund strategies, correlation swaps, structural models of default, capital structure arbitrage, contingent convertible debt, and how to incorporate counterparty risk into derivatives pricing. Poised midway between intuition, actual events, and financial mathematics, this book can be used to solve problems in risk management, taxation, regulation, and above all, pricing. A solutions manual enhances the text by presenting additional cases and solutions to exercises. This latest edition of Principles of Financial Engineering is ideal for financial engineers, quantitative analysts in banks and investment houses, and other financial industry professionals. It is also highly recommended to graduate students in financial engineering and financial mathematics programs. The Third Edition presents three new chapters on financial engineering in commodity markets, financial engineering applications in hedge fund strategies, correlation swaps, structural models of default, capital structure arbitrage, contingent convertibles and how to incorporate counterparty risk into derivatives pricing, among other topics. Additions, clarifications, and illustrations throughout the volume show these instruments at work instead of explaining how they should act. The solutions manual enhances the text by presenting additional cases and solutions to exercises.

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Essential Specialist Mathematics

Enriching Children's Mathematical Thinking

A Complete Manual to Identifying and Diagnosing Mathematical Difficulties

STEM Lesson Essentials, Grades 3-8

Essential Further Mathematics

Building on its best-selling predecessors, *Basic Statistics and Pharmaceutical Statistical Applications, Third Edition* covers statistical topics most relevant to those in the pharmaceutical industry and pharmacy practice. It focuses on the fundamentals required to understand descriptive and inferential statistics for problem solving. Incorporating new material in virtually every chapter, this third edition now provides information on software applications to assist with evaluating data. New to the Third Edition Use of Excel® and Minitab® for performing statistical analysis. Discussions of nonprobability sampling procedures, determining if data is normally distributed, evaluation of covariances, and testing for precision equivalence. Expanded sections on regression analysis, chi square tests, tests for trends with ordinal data, and tests related to survival statistics. Additional nonparametric procedures, including the one-sided sign test, Wilcoxon signed-ranks test, and Mood's median test. With the help of flow charts and tables, the author dispels some of the anxiety associated with using basic statistical tests in the pharmacy profession and helps readers correctly interpret their results using statistical software. Through the text's worked-out examples, readers better understand how the mathematics works, the logic behind many of the equations, and the tests' outcomes.

The Essential VCE Mathematics series has a reputation for mathematical excellence, with an approach developed over many years by a highly regarded author team of practising teachers and mathematicians. This approach encourages understanding through a wealth of examples and exercises, with an emphasis on VCE examination-style questions. New in the enhanced versions:

- TI-Nspire OS3 and Casio ClassPad calculator explanations, examples and problems are integrated into the text.
- Page numbers in the printed text reflect the previous TI-nspire and Casio ClassPad version allowing for continuity and compatibility.
- Digital versions of the student text are available in Interactive HTML and PDF formats through Cambridge GO.

This companion text to *Essential Specialist Mathematics (3rd edition)* contains fully worked solutions to all of the analysis and application questions contained in the text book. The graphics calculator is featured in the solutions wherever this is appropriate. Full diagrams, graphs and tables relevant to the solutions are included in all cases.

Essential Calculations for Veterinary Nurses and Technicians - E-Book

Grade 3

A Comprehensive Guide

Australian Books in Print

A Concise Edition

From a review of the second edition: "This book covers many interesting topics not usually covered in a present day undergraduate course, as well as certain basic topics such as the development of the calculus and the solution of polynomial equations. The fact that the topics are introduced in their historical contexts will enable students to better appreciate and understand the mathematical ideas involved...If one constructs a list of topics central to a history course, then they would closely resemble those chosen here." (David Parrott, Australian Mathematical Society) This book offers a collection of historical essays detailing a large variety of mathematical disciplines and issues; it's accessible to a broad audience. This third edition includes new chapters on simple groups and new sections on alternating groups and the Poincare conjecture. Many more exercises have been added as well as commentary that helps place the exercises in context.

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Practical Problems in Math for Health Science Careers

Essentials of Elementary Science, (Part of the Essentials of Classroom Teaching Series),

MyLabSchool Edition

Basic College Mathematics

Basic Statistics and Pharmaceutical Statistical Applications, Third Edition

JMP Essentials