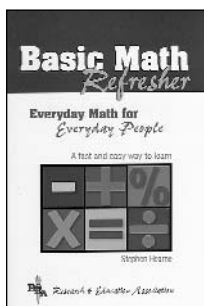


# 28 STUDENT RESOURCE/TEACHER RESOURCE

## ESSENTIALS®

This exceptionally comprehensive series of 100-page study guides summarize the essentials of each field covered. They are a lasting reference source for students and teachers alike. They provide quick, easy access to critical information and are helpful when preparing for exams and doing homework. *Algebra & Trig I* includes set and set operations, number systems and fundamental algebraic laws and operations. *Algebra & Trig II* includes logarithms, sequences and series, permutations, combinations and probability. *Differential Equations I* deals with first and second-order equations, series solutions, and higher-order linear equations. *Differential Equations II* deals with approximate methods, numerical methods, and non-linear equations. *Geometry I* includes methods of proof, points, lines, planes, angles, congruent angles and line segments. *Geometry II* includes circles, polygons, coordinate and solid geometry. *Statistics I* covers frequency distributions, numerical methods of describing data and measures of variability. *Statistics II* discusses sampling theory, statistical inference, independent and dependent variables, and correlation theory. *Calculus I* covers functions, limits, basic derivatives, and integrals. *Calculus II* includes integrations, parametric equations, and polar coordinates. *Calculus III* covers vector analysis, real valued functions, and partial differentiation. *Advanced Calculus I* includes set and the number systems, elementary functions and sequences. *Advanced Calculus II* covers multiple, line and surface integrals.

- ORA 569 Algebra & Trig I .....\$6.95
- ORA 570 Algebra & Trig II .....\$6.95
- ORA 581 Differential Equations I .....\$6.95
- ORA 582 Differential Equations II .....\$6.95
- ORA 606 Geometry I .....\$6.95
- ORA 607 Geometry II .....\$6.95
- ORA 840 Probability .....\$6.95
- ORA 658 Statistics I .....\$6.95
- ORA 659 Statistics II .....\$6.95
- ORA 877 Pre-Calculus .....\$6.95
- ORA 577 Calculus I .....\$6.95
- ORA 578 Calculus II .....\$6.95
- ORA 579 Calculus III .....\$6.95
- ORA 568 Advanced Calculus II .....\$6.95
- ORA 13149 Math for computer applications .....\$6.95



### BASIC MATH REFRESHER: EVERYDAY MATH FOR EVERYDAY PEOPLE

This book was written for people who took basic math in high school, but have forgotten some of the operations and want to brush-up on their math skills. It is intended to help those who are preparing to take a math test as well as parents who want to help their children with their math homework. This refresher book can sharpen your skills if you are applying for a job, or recently received a job that requires math skills. The goal of this 240-page book is to give you a concise and understandable review of basic math so that you can use it in your everyday life. Math is useful because it allows you to describe things and make decisions based on numbers. The calculations in this book are meant to be carried out with a simple hand calculator, although they can be done with paper and pencil. (Stephen Hearne, Ph.D.)

ORA 00520 .....\$10.95



## HIGH SCHOOL TUTOR®

These books provide practice and understanding of various topics, making them interesting and even challenging. Many of these books pave the way for easing high school students into math subjects. They help get rid of the fear and reluctance that often prevent students from successfully coping with these topics. Students experience a sense of accomplishment and confidence at having overcome what they had expected to be serious obstacles.

### HIGH SCHOOL PRE-ALGEBRA TUTOR

This 432-page book is for students taking introductory algebra courses. Examples are given with step-by-step explanations for each topic. Topics covered include integers and rational numbers, fractions, decimals, ratios and proportions, percents, roots and exponents, introductory algebra, algebraic equations, inequalities, word problems, plotting points and graphs and basic geometry.

ORA 483 .....\$16.95

### HIGH SCHOOL ALGEBRA TUTOR

Starting with topics under algebraic laws, this 336-page book includes linear and quadratic equations, inequalities, logs and exponentials, and extensively illustrated applications to area/perimeters, motion, mixtures/fluid flow, numbers/digits/coins, age, work, proportions, variations and costs.

ORA 564 .....\$16.95

### HIGH SCHOOL GEOMETRY TUTOR

This 360-page book covers topics in plane and solid (space) geometry. Also included are pictorial diagrams with thorough explanations on solving problems in congruence, parallelism, inequalities, similarities, triangles, circles, polygons, constructions, and coordinate/analytic geometry.

ORA 565 .....\$16.95

### HIGH SCHOOL PROBABILITY TUTOR

This 336-page book covers all areas of probability. Topics include discrete distributions, binomial and multinomial distributions, conditional probability, expectation, joint distributions, functions of random variables, and sampling theory.

ORA 958 .....\$14.95

### HIGH SCHOOL TRIGONOMETRY TUTOR

This 360-page book covers all areas of mathematics found in high school level trigonometry. Included are trigonometric relations and functions, vectors, powers and roots, functions and linear relationships, quadratic equations, logarithms, and sequences.

ORA 566 .....\$16.95

### HIGH SCHOOL PRE-CALCULUS TUTOR

This 360-page book is specifically designed to correspond to high school pre-calculus courses. Topics include algebraic laws and operations, coordinate system relations, linear functions, sequences, series, graphing, limits, and applications. A valuable study aid for students taking upper-level mathematics courses.

ORA 910 .....\$16.95

Email: [sales@delta-x.net](mailto:sales@delta-x.net)

## PROBLEM SOLVERS®

These study guides greatly simplify studying and learning tasks. They enable students to come to grips with difficult problems by showing them the way, step-by-step, toward solving problems. As a result, they save hours of frustrations and time spent on groping for answers and understanding. They work with any text in its field and is prepared by supremely knowledgeable experts. Educators consider these books the most effective and valuable study aids available.

### ALGEBRA & TRIGONOMETRY

This 1032-page book covers both basic and advanced topics in algebra and trigonometry. An excellent aid for those preparing to take calculus. Principles are illustrated in almost every imaginable field of application. Problem-solving strategies and attacks are included at the beginning of every chapter for each topic covered.

**ORA 508** .....\$25.95

### GEOMETRY

This 1080-page book covers topics in plane and solid (space) geometry. Pictorial diagrams with thorough explanations on solving problems in congruence, parallelism, inequalities, similarities, triangles, circles, polygons, constructions, and coordinate/analytic geometry. An invaluable aid for students.

**ORA 510** .....\$25.95

## SUPER REVIEWS®

This series is designed to help brush up on tough subjects. It is more thorough than ordinary subject reviews, but less complex than voluminous study guides. Each is well organized and easy to follow with numerous problems with their solutions illustrating the review material which brings it to life. Exercises and quizzes enable students to check whether they have learned what they need to know, understand the subject and have command of it.

### BASIC MATH & PRE-ALGEBRA

This 288-page book contains review sections on integers and real numbers, fractions, mixed numbers, decimals, mixed problems, ratios and proportions, percents, radicals, powers and roots, irrational numbers, true equations and inequalities, and the commutative, associative, and distributive properties. Additional topics include simplifying algebraic expressions, variables and exponents and more.

**ORA 461** .....\$8.95

### LINEAR ALGEBRA

This 224-page book deals with linear matrices, determinants, vector space, linear transformations, eigenvalues, and eigenvectors. The book also includes a supplemental review of matrices.

**ORA 085** .....\$9.95

### ALGEBRA & TRIGONOMETRY

This 304-page book examines fundamental algebraic laws and operations, including equations, inequalities, and variations. Also included are trigonometric functions and an introduction to analytic geometry.

**ORA 177** .....\$8.95

### PROBABILITY

Exhaustive coverage is given to all major topics in probability in this 864-page book. Among the many topics covered are set theory, Venn diagrams, discrete random variables, continuous random variables, moments, joint distributions, laws of large numbers, and the central limit theorem. Specific exercises and examples accompany each chapter.

**ORA 839** .....\$25.95

### STATISTICS

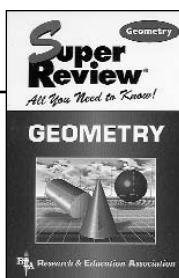
The subject matter in this 1080-page book is thoroughly developed, beginning with basic probability and extending through binomials, normal, joint, discrete, and continuous distributions. Other sections deal with sampling, confidence intervals, hypothesis testing, regression, and correlation analysis. An extensive number of applications are included.

**ORA 515** .....\$25.95

### PRE-CALCULUS

Thorough coverage of first-year college math, including algebraic, trigonometric, exponential, and logarithmic functions and their graphs are discussed in this 1104-page book. Included are solutions of linear and quadratic equations, analytic geometry, elementary statistics, differentiation and integration, determinants, matrices, and systems of equations. Problem-solving strategies are included at the beginning of every chapter for each topic covered.

**ORA 556** .....\$25.95



### GEOMETRY

Included in this 184-page book is a review of methods of proof, points, lines, planes, angles, triangles, quadrilaterals, geometric inequalities, and geometric proportions and similarity. Advanced topics include the

study of circles, polygons, coordinate geometry, and solid geometry.

**ORA 188** .....\$8.95

### STATISTICS

This 328-page book covers frequency distributions, numerical methods of describing data, measures of variability, probability, distributions, sampling theory, statistical inference, general linear model inferences, experimental design, the chi-square test, and time series.

**ORA 197** .....\$8.95

### PRE-CALCULUS

Subjects reviewed in this 328-page book include sets, numbers, operations and properties, coordinate geometry, fundamental algebraic topics, solving equations and inequalities, functions, trigonometry, exponents and logarithms, conic sections, matrices, and determinants.

**ORA 088** .....\$8.95

### CALCULUS

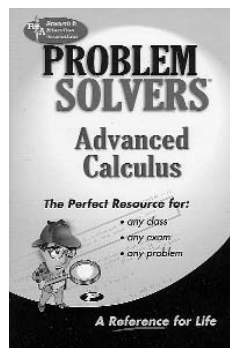
This 472-page book contains review of functions, including theorems, limits, and derivatives. Additional topics include techniques of integration, analytic geometry, two- and three-dimensional vector analysis, and infinite series.

**ORA 182** .....\$9.95

### CALCULUS

This 1104-page book covers topics usually given in Calculus I, II, and III. Differentiations and integration are illustrated with detailed algebraic and trigonometric operations. Different fields of applications are thoroughly covered with numerous illustrations.

**ORA 505** .....\$25.95



### THE ADVANCED CALCULUS PROBLEM SOLVER

Here in this highly useful 1056-page reference book is the finest overview of advanced calculus currently available, with hundreds of calculus problems that cover everything from point set theory and vector spaces to theories of differentiation and integrals. Each problem is clearly solved with step-by-step detailed solutions.

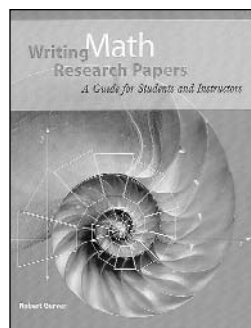
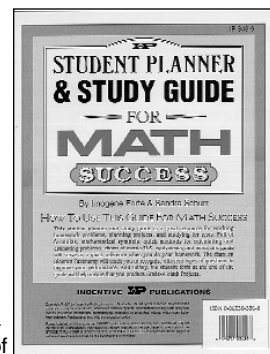
**ORA 338** .....\$30.95

### STUDENT PLANNER & STUDY GUIDE FOR MATH SUCCESS

Grades 4-8

This study guide serves as a quick reference for busy students who need easy access to information. It contains an overview of critical information as well as a "Planning Guide for a Grade-A Project." Packed with information, this guide is laminated to ensure durability from year to year. (Imogene Forte & Sandra Schurr)

**OIP 3489** .....\$4.99



### WRITING MATH RESEARCH PAPERS

Grades 10-12

This 239-page book serves as both a text for students and a resource for those interested in implementing a research program, either as a separate or an integrated course. The

book details how to write a research paper, including the pre-writing work of problem solving, the reading of mathematics effectively, and the postwriting follow-up of presenting. It also provides a list of interesting research topics, a bibliography of periodicals and problem-solving books, and information about mathematics contests. (Robert Gerver)

**OMM 53562** .....\$20.95