



Practical Algebra: A Self-Teaching Guide, Second Edition

By Peter H. Selby, Steve Slavin

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Practical Algebra If you studied algebra years ago and now need a refresher course in order to use algebraic principles on the job, or if you're a student who needs an introduction to the subject, here's the perfect book for you. Practical Algebra is an easy and fun-to-use workout program that quickly puts you in command of all the basic concepts and tools of algebra. With the aid of practical, real-life examples and applications, you'll learn:

- * The basic approach and application of algebra to problem solving
- * The number system (in a much broader way than you have known it from arithmetic)
- * Monomials and polynomials; factoring algebraic expressions; how to handle algebraic fractions; exponents, roots, and radicals; linear and fractional equations
- * Functions and graphs; quadratic equations; inequalities; ratio, proportion, and variation; how to solve word problems, and more

Authors Peter Selby and Steve Slavin emphasize practical algebra throughout by providing you with techniques for solving problems in a wide range of disciplines--from engineering, biology, chemistry, and the physical sciences, to psychology and even sociology and business administration. Step by step, Practical Algebra shows you how to solve algebraic problems in each of these areas, then allows you to tackle similar problems on your own, at your own pace. Self-tests are provided at the end of each chapter so you can measure your mastery.

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Editorial Review

From the Publisher

With a "learn-by-doing" approach, it reviews and teaches elementary and some intermediate algebra. While rigorous enough to be used as a college or high school text, the format is reader friendly, particularly in this Second Edition, and clear enough to be used for self-study in a non-classroom environment. "Pre-test" material enables readers to target problem areas quickly and skip areas that are already well understood. Some new material has been added to the Second Edition and redundant or confusing material omitted. The first chapter has undergone major revision. Chapters feature "post-tests" for self-evaluation. Thousands of practice problems, questions and answers make this algebra review a unique and practical text.

From the Back Cover

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About the Author

PETER SELBY (deceased) was Director of Educational Technology at Man Factors Associates, a human factors engineering consulting firm. He is the author of two other self-teaching guides: Quick Algebra Review: A Self-Teaching Guide and Geometry and Trigonometry for Calculus: A Self-Teaching Guide, both published by Wiley.

STEVE SLAVIN, Ph.D., is Associate Professor of Economics at Union County College, Cranford, New Jersey. He has written over 300 newspaper and magazine articles, and is the author of four other books, including All the Math You'll Ever Need: A Self-Teaching Guide and Economics: A Self-Teaching Guide, both published by Wiley.

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