



The Nature of Problem Solving in Algebra: A Liberal Arts Approach (with BCA/iLrn(TM) Tutorial and InfoTrac)

By Smith, Karl J.

Cengage Learning, 2003. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Prologue--Why Math? An Historical Overview. 1. THE NATURE OF PROBLEM SOLVING. Problem Solving. Inductive and Deductive Reasoning. Scientific Notation and Estimation. Finite and Infinite. 2. THE NATURE OF NUMERATION SYSTEMS. Early Numeration Systems. Hindu-Arabic Numeration Systems. Different Numeration Systems. Binary Numeration Systems. History of Calculating Devices. 3. THE NATURE OF NUMBERS. Natural Numbers. Prime Numbers. Integers. Rational Numbers. Irrational Numbers. Groups, Fields, and Real Numbers. Discrete Mathematics. Cryptography. 4. THE NATURE OF ALGEBRA. Polynomials. Factoring. Evaluation, Applications, and Spreadsheets. Equations. Inequalities. Algebra in Problem Solving. Ratios, Proportions, and Problem Solving. Percents. Modeling Uncategorized Problems. 5. THE NATURE OF GROWTH. Logarithms and Exponents. Exponential Equations. Logarithmic Equations. Applications of Growth and Decay. 6. THE NATURE OF SEQUENCES, SERIES AND FINANCIAL MANAGEMENT. Interest. Installment Buying. Sequences. Series. Annuities. Amortization. Summary of Financial Formulas. 7. THE NATURE OF GRAPHS AND FUNCTIONS. Cartesian Coordinates and Graphing Lines. Graphing Half-Planes. Graphing Curves. Conic Sections. Functions. 8. THE NATURE OF MATHEMATICAL SYSTEMS. Systems of Linear Equations. Problem Solving with Systems. Matrix Solution of a System of Equations. Inverse Matrices. Systems of Inequalities. Modeling with Linear Programming. 9. THE NATURE...



READ ONLINE
[7.34 MB]

Reviews

This book will never be straightforward to start on looking at but extremely exciting to read. I actually have read through and that i am sure that i am going to gonna go through once more again in the future. I am happy to explain how this is the very best book i have read through in my individual lifestyle and may be he best publication for at any time.

-- **Estrella Howe DVM**

A very awesome publication with perfect and lucid information. It is probably the most awesome book i have read. You may like how the author publish this pdf.

-- **Dr. Celia Howell DVM**