



A New Algebra, Vol. 1 (Classic Reprint)

By S Barnard

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A New Algebra, Vol. 1 This book represents an attempt to meet the growing demand for a School Algebra which contains a logical development of the subject in accordance with modern views. The chief difficulty has been to produce a book which satisfies this condition and is at the same time practically useful for school purposes. After many arrangements and re-arrangements of the material, the book has taken a form which may be described briefly as follows: This first volume is divided into three parts. Part 1 is a generalized Arithmetic in which letters are employed to represent Natural Numbers, and the idea of Algebraic Form is introduced. In Parts 2 and 3, Zero and Negative Numbers and Fractions are considered. These two new classes of numbers are defined so that the expressions $a - b$ and ab may always have a meaning. For each of the new classes of numbers: (i) Definitions are given relating to equality and inequality. (ii) The fundamental operations are defined in accordance with the principle of Permanence of Form. (iii) The...



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