



# School algebra Volume 1

By George Wentworth

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 48 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1913 edition. Excerpt: . . . 134. Two Simple Equations. If we have two simple equations containing two unknown quantities, we can usually derive from them a single equation containing only one unknown quantity. For example, suppose  $x + y = 17$ , and  $x - y = 9$ . Adding member for member,  $2x = 26$ ; whence  $x = 13$ . And because  $x + y = 17$ , we have  $13 + y = 17$ ; whence  $y = 4$ . 135. Simultaneous Equations. Two or more equations that have the same values for the unknown quantities are called simultaneous equations. 136. Elimination. The process by which we cause an unknown quantity to disappear in deriving an equation from a system of equations is called elimination. Thus in 134 we derived the equation  $2x = 26$  from the system of equations  $x + y = 17$  and  $x - y = 9$ , thereby eliminating  $y$ . The most common methods of elimination are (1) by addition (or subtraction as a special case),...



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