



# Advanced Algebra

By Arthur Schultze

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1906 edition. Excerpt: .temperature increase most rapidly? 299. Graph of a function. To represent the various values which an algebraic function, e.g.  $3 + x - x^2$ , assumes, when  $x$  changes from  $-3$  to  $+9$ , let us substitute in  $3 + f x - x^2$ , successively the values  $-3, -2, -1, 0, 1$ , etc. If  $x$  respectively  $=-3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9$ , then  $3 + x - x^2 = -3, -1, 1, 3, 4, 5, 5, 4, 3, 1, -1, -3$ . Selecting any convenient length as a unit, we lay off on a line  $OX$  from  $O$  the values of  $x$ , and at each point erect a perpendicular equal to the corresponding value of  $To$  find e.g. the point representing that, for  $x = 2, 3 + f x - x^2 = 5$ , we lay off  $OA = 2$ , and at  $A$  draw a perpendicular  $AB = 5$ . Similarly for all other points, as...



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