



## A College Algebra

By Henry Burchard Fine

Theclassics.us, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1904 edition. Excerpt: . $P = (a + b + c - )^8$ , we have  $P = a^3 + (3a^1 + 3ab + b^2)b + 3(a + by + 3(a + b)c + c^2c + \dots)$ ; where the leading terms of the several groups on the right, namely,  $a^3$ ,  $3ab$ ,  $3a^2$ , are all of higher degree in  $x$  than any of the terms which follow them. From this identity we may find  $a$ ,  $b$ ,  $c$ , as follows: 1. Evidently  $a$  is the cube root of the leading term of  $P$ . 2. Subtract  $a^3$  from  $P$ . As the leading term of the remainder,  $R_1$  must equal  $3a^2b$ , we may find  $b$  by dividing this term by  $3a^2$ . 3. Having found  $b$ , form  $(3a^2 + 3ab + 3b^2)b$  and subtract it from  $R_1$  As the leading term of the remainder,  $R_2$  must equal  $3a^2c$ , we may...



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