



Higher Algebra

By George Egbert Fisher

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. 1901 Excerpt: $!-i + W-3, -i-iV-3 27$. Division of Complex Numbers.--The quotient of one complex number by another is in general a complex number. $F_n a + bi (a + bi) (c - di) (ac + bd) + (be - ad) i c + di (c + di) (c - di) c^2 + d^2 ac + bd$. $be - ad. c + d1 f + d2 28$. It follows from the preceding article that a fraction whose denominator is a complex number can be expressed as a complex number by multiplying both numerator and denominator by the conjugate of the denominator. Ex 1 $l + V - 2 (l + y - 2)(-V - 3) - V - 3 + V6 2V - 3 (2V - 3)(-V - 3) 6$ Notice that it was necessary to multiply numerator and denominator only by $- / - 3$. Ex. 2. $2 - V - 3 = 2 - y - 3 = wv 3$ CHAPTER XXI. QUADRATIC EQUATIONS. 1. A Quadratic Equation is an equation of the second degree in the unknown number or numbers. E.g., $x = 25, -5 + 6 = 0, \dots$

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