



## Junior High School Mathematics Volume 3; First [-Third] Course (Paperback)

By William Ledley Vosburgh

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. 1919 Excerpt: .2. Solve  $x^2 - 7 = 0$ , and check the roots. Solution A (by factoring). (r)  $x^2 - 7 = 0$  Since 7 is not a perfect square, its two equal factors are irrational. (r)  $(x - \sqrt{7})(x + \sqrt{7}) = 0$  (r)s= (Factoring) (c)  $x - \sqrt{7} = 0$ , or  $x + \sqrt{7} = 0$  (c) by Ax. A (c)  $x = +\sqrt{7}$ , or  $x = -\sqrt{7}$  (c)  $x = +2.65$ , or  $x = -2.65$  Solution B (by square root). (c)  $x^2 - 7 = 0$  (c)  $x^2 = 7$  (r)+7 (c)  $x = +2.65$ , or  $-2.65$  (c) = (Table) Check. (Use Table of Squares.)  $(+2.65)^2 - 7 = 0$   $(-2.65)^2 - 7 = 0$   $7.02 - 7 = 0$   $7.02 - 7 = 0$  Ans.  $x = +2.65$ , or  $-2.65$ . The discussion of these two methods and the interpretation of the checks follows: Solution A shows that both the plus and the minus values of  $\sqrt{7}$  must be recorded. The check shows that both values satisfy the equation. Method B requires less labor, but it is essential that you record both signs in your answer. The answer...



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