



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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