



## Junior High School Mathematics Volume 2

By John Charles Stone

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: .4. THE PYTHAGOREAN THEOREM A right triangle is a triangle of which one angle is a right angle. The side opposite the right angle is called the hypotenuse, and the other sides are called the legs. By drawing a right triangle whose legs are 3 in. and 4 in., respectively, it will be seen that the hypotenuse is just 5 in., and that the area of the square on the hypotenuse equals the sum of the areas of the squares on the two legs. This important truth was proved by Pythagoras, about 500 B.c., to be true of any right triangle. That is, The square on the hypotenuse of any right triangle is equal to the sum of the squares on the other two sides. Note.--Carpenters make use of this fact in laying out the foundation of a building when they want the walls at right...



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