



## The A B C of the Differential Calculus (Paperback)

By William Dyson Wansbrough

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. 1912 Excerpt: .other words, the circle is a polygon as long as  $Ax$  has an; finite value. At limiting value  $dx$  the polygon becomes a circle. Thus, in any right-angled triangle  $BAC$  (fig. 7) we have three sides-- $AC$  the base,  $BC$  the perpendicular, and  $AB$  the hypotenuse. The well-known property of the hypotenuse, that the square described upon it is equal to the sum of the squares described upon the other two sides, is proved in the 47th proposition of the first book of Euclid, and is the foundation of the whole science of trigonometry. Flo. 7. The angle  $a$  is supposed to be placed at the centre of the circle of reference; and if  $AB$  be the radius, and be assumed = 1, we have the following relations: -- $\sin a$  (the sine of the angle  $a$ ) =  $\frac{BC}{AB}$  =  $\frac{BC}{1}$  hypotenuse (Hence the line  $BC$  represents the...



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