



Mathematical Questions with Their Solutions, from the Educational Times (Paperback)

By D Biddle

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. 1874 Excerpt: .two lumps, V the volume of the smaller lump, and 5 an elemental diminution of V ; then $\frac{1}{u^3v}$ is the volume of the larger, and $\frac{1}{n^2S}$ its corresponding elemental diminution. Therefore the ratio of the volumes after variation is $\frac{1}{u^3v-m;8} = Lj?(filv-5)$. VS $yuV-78$ - and this ratio is greater than $fj.3$, since $nY--S p.V--nt$. Therefore the volumes tend to greater inequality. In the same manner it may be shown generally, that if n_x and x be two variable magnitudes ($/il 1$), and h and k small increments of n_x and x ; then if A and k are both positive, the magnitudes n_x and x are tending to equality or to greater inequality according as $-is$ greater or less than p . 4036. (Proposed by the Editor.)--Let p ., p_2 , p_3 , R_1 , R_2 , R_3 be the radii of the circles drawn in and about the three triangles cut off from the...



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