



# Mathematical Questions and Solutions in Continuation of the Mathematical Columns of The Educational Times Volume 73

By Books Group



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. 1900 Excerpt: . (G. H. Hardy, B.A.)--Prove Frbllani s theorem  $f(x) = \int_a^x \log t dt$ , Jo extending it to apply to the cases in which (1)  $p(a)$ , while possessing a determinate integral near any value of  $x$ , has a discrete set of infinities in the range  $(0, \infty)$ ; (2) only the principal value of the integral is deter. minate. Consider also the case in which  $p(x)$  oscillates at infinity between finite or infinite limits. As examples, evaluate 14239. (B. N. Cama, M.A. In continuation of Quests. 14177 and 14207.)--If  $OP, OQ$  . be two vectors including a right angle, meeting an equiangular spiral (pole  $O$ ) in the points  $P, Q$  ., show that the parabolas drawn to touch the curve at  $P, Q$ , and having the chords of contact for their focal chords are in geometrical progression; further, that...



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