



## Mathematical Questions and Solutions in Continuation of the Mathematical Columns of the Educational Times Volume 57

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. 1892 Excerpt: .XOY un angle fixe et A un point fixe pris sur OX. On trace un cercle quelconque C tangent a OX et en un point D a OY; puis de A on mene a ce cercle une seconde tangente qui le touche en E. Demontrer que la droite DE passe par un point fixe. 11022. (G. Heppel, M.A.)--If A, B, C are the angles of a triangle, transform  $(\sin B + \sin C) \sin B \sin C + (\cos C - \cos A) \cos A \sin C + (\cos B - \cos A) \cos A \sin B$  into an expression symmetrical with respect to A, B, C. Solution by the Proposer; Professor Mukhopadhyay; and others. It is clear that  $\cos JB \cos JC$  is a factor. Therefore, if the expression is symmetrical,  $\cos JA$  is also a factor. Dividing by  $\cos JA \cos B \cos JC$ , the other factor is...



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