



Exercises in Mathematics

By David Beveridge Mair

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. 1914 Excerpt: .together equal to two right angles, its vertices are concyclic. ABCD is a square. P is a point in AD. Within the square an equilateral triangle AOB is described on AB. PO produced meets BC in Q. OR bisecting PQ at right angles meets AB in R. Prove that PRQ is an equilateral triangle. 66. Two circles intersect in A and B. A straight line CPQD cuts the circles in C P and Q D respectively. If BP cuts AD in F and BQ cuts AC in E, prove that a circle can be drawn through A E B F. 67. The diagonals of a quadrilateral inscribed in a circle intersect at right angles, and from the point of intersection a perpendicular is drawn on one of the sides. Prove that this perpendicular, if produced backwards, will bisect the opposite side. 68. In equal circles prove...



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