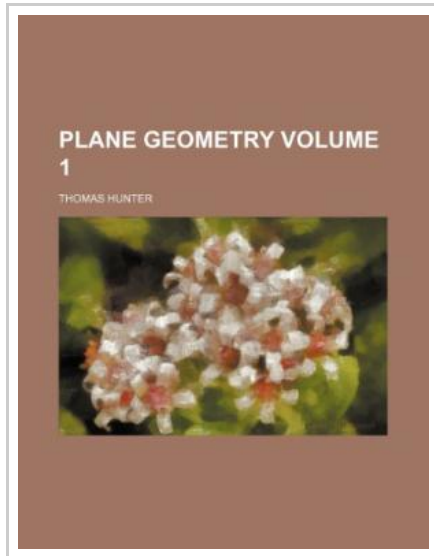



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Plane Geometry Volume 1 (Paperback)

By Thomas Hunter

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. 1872 Excerpt: .the equality of the triangles so formed. 11. Easily demonstrated by means of the propositions in the beginning of Book I. relating to the equality of triangles. 12. Through F, the middle point of AC, draw KE perpendicular to AB: produce CD to E, and draw CH perpendicular to FG. It is easy to prove that the sum of the angles HCD and A IK CHG is equal to two right angles, the theorem. Hence the truth of 13. Required to prove that $DB^2 + AC^2 = AB^2 + BC^2 + DC^2 + AD^2 - 4FE^2$. See Props. XXL and XVI., Cor. The student commences $DC^2 + CB^2 = 2DE^2 + 2EC^2$; and, following up this line of demonstration, the truth of the theorem is easily established. 14. It is required to prove that the triangles ABC, AEF, GBL, and CMN are all equal. A glance will show the equality of ABC and AEF. BH is made N equal to AB, and KC to...



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