



The Difficulties of Elementary Geometry, Especially Those Which Concern the Straight Line, the Plane, and the Theory of Parallels (Paperback)

By Francis William Newman

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1841 edition. Excerpt: .with the rectilinear angle, (because the former is indefinitely less,) we may probably in many cases compare two curvilinear angles with each other. For, drawing the chord A R, we have: Rect. angle BAQ: Rect. angle BAR = PQ: PB, the radius being here quite immaterial, while it is the same for both arcs. Let the radius perpetually diminish; in which case the rect. angles tend to confound themselves with the curvilinear ones; so that we get: Angle BAC: angle BAD = limit of P Q: P R. Now a priori it is impossible to foresee what will be the limit of the last ratio, which must differ exceedingly in different curves. It is not difficult, however, to invent curves in which the limit may be (1: 1) or (2: 1) or any other finite limit: or again, in which it shall be zero,...



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