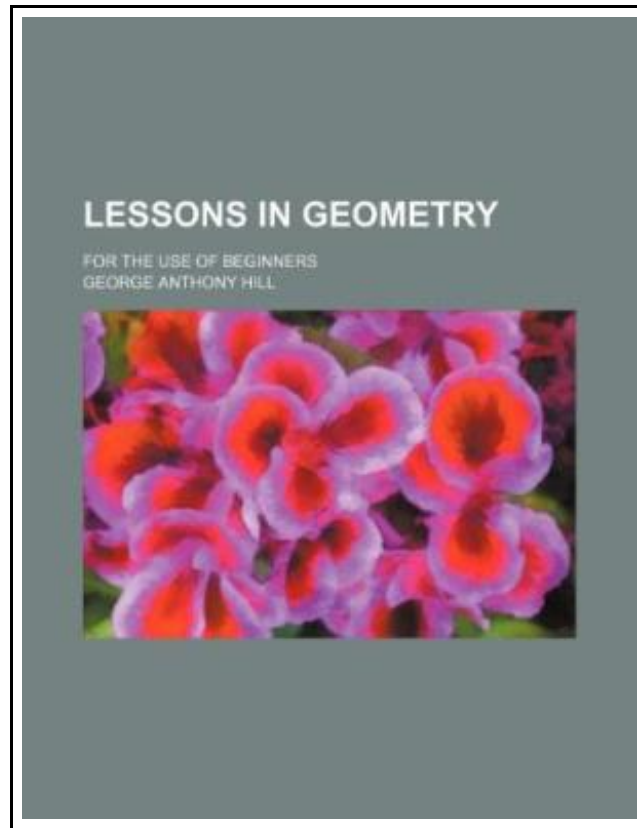# Lessons in Geometry; For the Use of Beginners (Paperback)

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Reviews

A top quality publication as well as the typeface used was intriguing to learn. Yes, it is play, still an amazing and interesting literature. I discovered this publication from my i and dad suggested this book to learn.
(Prof. Louvenia Flatley)

LESSONS IN GEOMETRY; FOR THE USE OF BEGINNERS (PAPERBACK)

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. 1894 Excerpt: .(1) The figure obviously has the three given parts. (2) Join-4 C. A ABC = A ADC. Why? (3) Therefore Z BAC = Z DC A, and Z ACB = Z CAD. (4) Therefore AB is II to DC, and BC is II to AD. Why? (5) Therefore ABCD is a parallelogram. Why? Note.--In the following exercises, use ruler and compasses only. First make the construction; then describe it; then prove it to be correct. 6. Construct a square, having given a side. 7. Construct a square, having given the diagonal. 8. Construct a rectangle, given two adjacent sides. 9. Construct a rectangle, given a side and a diagonal. 10. Construct a rhombus, given the two diagonals. 11. Construct a rhombus, given a side and an angle. 12. Construct a parallelogram, given two sides and a diagonal. 13. Construct a parallelogram, given one side, one angle, and one diagonal. 14. Construct a trapezoid, given the bases, the altitude, and one of the legs. Lesson 45. 1. Problem.--To construct a polygon equal to a given polygon ABCDEF (Fig. 92). Construction. Instruments: ruler and compasses. Draw the diagonals AC, AD, AE. Make A MNO = A ABC (explain fully how). Then make A MOP = A ACD. Also A MPQ = A ADE. And A MQR = A AEF. Then the polygon MNOPQR is the polygon required. ED Q FlH. 82.Proof. By construction, the A, pair by pair, are equal. They are also, pair by pair, similarly placed....

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