

## Plane And Solid Geometry Wentworth Smith Mathematical Series

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*Answers to the Problems in Wentworth and Hill's Exercises in Algebra*

*Solid Geometry*

*Plane and Solid Geometry - Wentworth-Smith Mathematical Series*

*Wentworth's Plane Geometry*

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Large Print

No. II. Algebra

Wentworth's Plane Geometry. (Solid Geometry) Revised by George Wentworth and David Eugene Smith

Answers to the New School Algebra

It is intended to have the first sixteen pages of this book simply read in the class, with such running comment and discussion as may be useful to help the beginner catch the spirit of the subject-matter, and not leave him to the mere letter of dry definitions. In like manner, the definitions at the beginning of each Book should be read and discussed in the recitation room. There is a decided advantage in having the definitions for each Book in a single group so that they can be included in one survey and discussion. For a similar reason the theorems of limits are considered together. The subject of limits is exceedingly interesting in itself, and it was thought best to include in the theory of limits in the second Book every principle required for Plane and Solid Geometry. Most persons do not possess, and do not easily acquire, the power of abstraction requisite for apprehending geometrical conceptions, and for keeping in mind the successive steps of a continuous argument. Hence, with a very large proportion of beginners in Geometry, it depends mainly upon the form in which the subject is presented whether they pursue the study with indifference, not to say aversion, or with increasing interest and pleasure. Great care, therefore, has been taken to make the pages attractive. The figures have been carefully drawn and placed in the middle of the page, so that they fall directly under the eye in immediate connection with the text; and in no case is it necessary to turn the page in reading a demonstration. Full, long-dashed, and short-dashed lines of the figures indicate given, resulting, and auxiliary lines, respectively. Bold-faced, italic, and roman type has been skilfully used to distinguish the hypothesis, the conclusion to be proved, and the proof. As a further concession to the beginner, the reason for each statement in the early proofs is printed in small italics, immediately following the statement. This prevents the necessity of interrupting the logical train of thought by turning to a previous section, and compels the learner to become familiar with a large number of geometrical truths by constantly seeing and repeating them. This help is gradually discarded, and the pupil is left to depend upon the knowledge already acquired, or to find the reason for a step by turning to the given reference. It must not be inferred, because this is not a geometry of interrogation points, that the author has lost sight of the real object of the study. The training to be obtained from carefully following the logical steps of a complete proof has been provided for by the Propositions of the Geometry, and the development of the power to grasp and prove new truths has been provided for by original exercises. The chief value of any Geometry consists in the happy combination of these two kinds of training. The exercises have been arranged according to the test of experience, and are so abundant that it is not expected that any one class will work them all out. The methods of attacking and proving original theorems are fully explained in the first Book, and illustrated by sufficient examples; and the methods of attacking and solving original problems are explained in the second Book, and illustrated by examples worked out in full. None but the very simplest exercises are inserted until the student has become familiar with geometrical methods, and is furnished with elementary but much needed instruction in the art of handling original propositions; and he is assisted by diagrams and hints as long as these helps are necessary to develop his mental powers sufficiently to enable him to carry on the work by himself. The law of converse theorems, the distinction between positive and negative quantities, and the principles of reciprocity and continuity have been briefly explained; but the application of these principles is left mainly to the discretion of teachers.

Wentworth's Plane and Solid Geometry

Arithmetic by Grades for Inductive Teaching, Drilling and Texting

Plane and Spherical Trigonometry

Plane Geometry: Large Print By George Wentworth An Unabridged Printing, With Text And All Figures Digitally Enlarged. Chapters Include: PLANE GEOMETRY - Rectilinear Circle - Proportion - Similar Polygons - Areas Of Polygons - Regular Polygons And Circles - Appendix To Plane Geometry (Symmetry, Maxima And Minima) - SOLID GEOMETRY - Planes In Space - Polyhedrons, Cylinders, And Cones - The Sphere - Appendix To Solid Geometry - Recreations Of Geometry - Suggestions As To Beginning Demonstrative Applications Of Geometry - The History Of Geometry - Table Of Formulas - Comprehensive Index We are delighted to publish this classic book as part of our extensive

Many of the books in our collection have been out of print for decades, and therefore have not been accessible to the general public. The aim of our publishing program is to bring back to this vast reservoir of literature, and our view is that this is a significant literary work, which deserves to be brought back into print after many decades. The contents in the Classic Library have been scanned from the original works. To ensure a high quality product, each title has been meticulously hand curated by our staff. Our philosophy is a desire to provide the reader with a book that is as close as possible to ownership of the original work. We hope that you will enjoy this wonderful classic work, and an enriching experience.

Elements of Plane and Solid Geometry

Wentworth's Solid Geometry

Revised Edition

Answers to the Problems in Wentworth's College Algebra

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**Plane and Solid Geometry, by George Wentworth and David Eugene Smith.**

**Elements of Analytic Geometry**

**Arithmetic**

**ELEMENTS OF PLANE & SOLID GEOM**

An Unabridged Printing, With Text And All Figures Digitally Enlarged. Chapters Include: PLANE GEOMETRY - Rectilinear Figures - The Circle - Proportion - Similar Polygons - Areas Of Polygons - Regular Polygons And Circles - Appendix To Plane Geometry (Symmetry, Maxima And Minima) - SOLID GEOMETRY - Lines And Planes In Space - Polyhedrons, Cylinders, And Cones - The Sphere - Appendix To Solid Geometry - Recreations Of Geometry - Suggestions As To Beginning Demonstrative Geometry - Applications Of Geometry - The History Of Geometry - Table Of Formulas - Comprehensive Index

Plane and solid geometry

Essentials of Plane and Solid Geometry

Wentworth & Hill's Exercise Manual

PLANE & SOLID GEOMETRY

**Plane and Solid GeometryPlane and Solid GeometryPlane and Solid Geometry, by George Wentworth and David Eugene Smith.Wentworth's Plane and Solid GeometrySolid GeometryWentworth's Plane Geometry. (Solid Geometry) Revised by George Wentworth and David Eugene SmithWentworth's Solid GeometryPlane and Solid GeometryPlane and Solid Geometry - Wentworth-Smith Mathematical Series**

**Numbers from 1 to 20**

**Wentworth & Hill's Examination Manuals**

**Plane and Solid Geometry - Scholar's Choice Edition**

**Plane Geometry**

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Plane and Solid Geometry. Teachers' Ed.

Revised List of Books and Prices Issued by the Superintendent of Public Instruction, 1917, in Accordance with the Provisions of the Law Regulating the Sale of School Text-books in Michigan  
Wentworth's Plane and Solid Geometry  
Arithmetic by Grades, for Inductive Teaching, Drilling and Testing