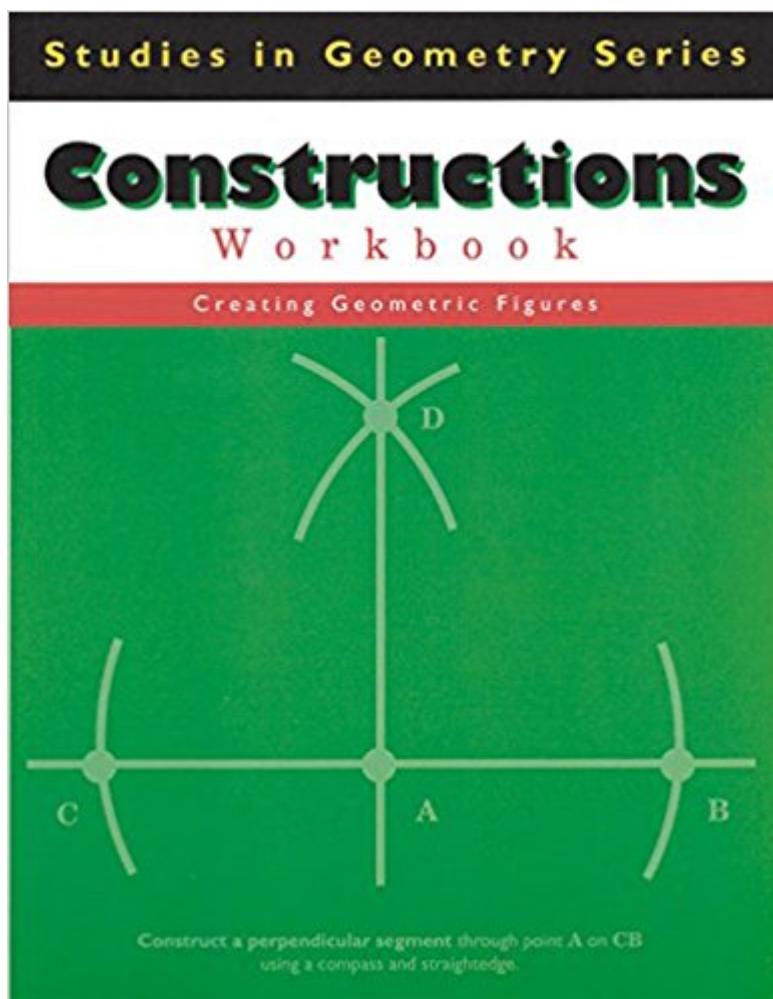


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# Constructions: Creating Geometric Figures (Studies In Geometry)



## Synopsis

Topics include: Segment Constructions; Angles Constructions; Constructions Based on Congruent Triangle Theorems; Special Segments in Triangles; Circle Constructions. Table Of Contents ABOUT THIS BOOK CHAPTER 1: Construction: A Beginning Constructions What is a construction? What can be constructed? Using a Compass What do line segments, arcs, & angles look like? What does it mean to "measure" without a ruler or a protractor? What does it mean to intersect? Following directions matters. Congruent Objects How do I use this book? Should you erase all those marks? Helpful Hints CHAPTER 2: Segment Construction Congruent Segments Segment Additions Perpendicular Segments Perpendicular Bisectors CHAPTER 3: Angle Construction Congruent Angles Angle Additions Angle Bisectors Parallel Lines Parallelograms Rectangles Squares 45° Angles Right Triangles Equilateral Triangles 30° Angles Isosceles Triangles CHAPTER 4: Constructions Based on Congruent Triangle Theorems A Triangle from 2 Given Angles & 1 Given Segment A Triangle from 2 Given Segments & 1 Given Angle A Triangle Congruent to a Given Triangle CHAPTER 5: Special Segments in Triangles Angle Bisectors Perpendicular Bisectors Medians Altitudes CHAPTER 6: Circle Constructions Tangents to a Circle A Circle Circumscribing a Triangle A Circle Inscribed in a Triangle CONSTRUCTIONS EXAM GLOSSARY ANSWER KEY

## Book Information

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Age Range: 12 and up

Grade Level: 7 and up

## Customer Reviews

Only suitable for 7 year old beginner, for a few days. Very basic.

very easy directions for students to read and do. There are constructions in almost every aspect of geometry. Every geometry class could use this resource.

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