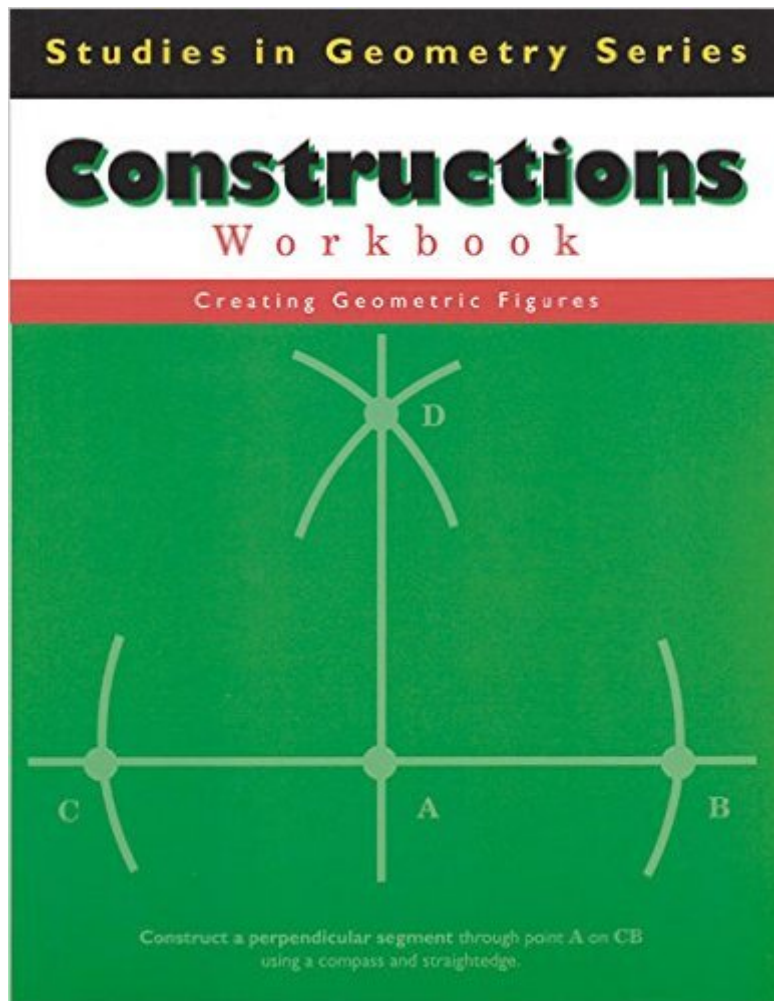# Constructions: Creating Geometric Figures (Studies In Geometry)

Synopsis

Topics include: Segment Constructions; Angles Constructions; Constructions Based on Congruent Triangle Theorems; Special Segments in Triangles; Circle Constructions.Table Of ContentsABOUT THIS BOOKCHAPTER 1: Construction: A BeginningConstructionsWhat is a construction?What can be constructed?Using a CompassWhat 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 ObjectsHow do I use this book?Should you erase all those marks?Helpful HintsCHAPTER 2: Segment ConstructionCongruent SegmentsSegment AdditionsPerpendicular SegmentsPerpendicular BisectorsCHAPTER 3: Angle ConstructionCongruent AnglesAngle AdditionsAngle BisectorsParallel LinesParallelogramsRectanglesSquares45Â AnglesRight TrianglesEquilateral Triangles30Â AnglesIsosceles TrianglesCHAPTER 4: Constructions Based on Congruent Triangle TheoremsA Triangle from 2 Given Angles & 1 Given SegmentA Triangle from 2 Given Segments & 1 Given AngleA Triangle Congruent to a Given TriangleCHAPTER 5: Special Segments in TrianglesAngle BisectorsPerpendicular BisectorsMediansAltitudesCHAPTER 6: Circle ConstructionsTangents to a CircleA Circle Circumscribing a TriangleA Circle Inscribed in a TriangleCONSTRUCTIONS EXAMGLOSSARYANSWER KEY

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

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

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