Constructions

Construction 1 Given a segment, construct a segment congruent to the given segment. (p. 375)

Construction 2 Given an angle, construct an angle congruent to the given angle. (p. 376)

Construction 3 Given an angle, construct the bisector of the angle. (p. 376)

Construction 4 Given a segment, construct the perpendicular bisector of the segment. (p. 380)

Construction 5 Given a point on a line, construct the perpendicular to the line at the given point. (p. 381)

Construction 6 Given a point outside a line, construct the perpendicular to the line from the given point. (p. 381)

Construction 7 Given a point outside a line, construct the parallel to the given line through the given point. (p. 382)

Construction 8 Given a point on a circle, construct the tangent to the circle at the given point. (p. 392)

Construction 9 Given a point outside a circle, construct a tangent to the circle from the given point. (p. 393)

Construction 10 Given a triangle, circumscribe a circle about the triangle. (p. 393)

Construction 11 Given a triangle, inscribe a circle in the triangle. (p. 394)

Construction 12 Given a segment, divide the segment into a given number of congruent parts. (p. 396)

Construction 13 Given three segments, construct a fourth segment so that the four segments are in proportion. (p. 397)

Construction 14 Given two segments, construct their geometric mean. (p. 397)