

List of Constructions

1. Bisector of any given angle, using only compass and straight edge.
2. Perpendicular bisector of a segment, using only compass and straight edge.
3. Line perpendicular to a given line l , passing through a given point not on l .
4. Line perpendicular to a given line l , passing through a given point on l .
5. Line parallel to a given line, through given point.
6. Division of a segment into 2 or 3 equal segments without measuring it.
8. Line segment of a given length on a given ray.
9. Angle of a given number of degrees with a given ray as one arm.
10. Triangle given lengths of three sides.
11. Triangle given SAS data.
12. Triangle given ASA data.
13. Right-angled triangle, given the length of the hypotenuse and one other side.
14. Right-angled triangle, given one side and one of the acute angles (several cases).
15. Rectangle given side lengths.

Close this document to exit to Main Menu.