

Leaving Cert Higher Level Constructions

Checklist

Use this checklist to help you revise your constructions.

	Construction No.	Name of Construction	Complete?
1.	Construction 1	Bisector of an angle, using only compass and straight edge	
2.	Construction 2	Perpendicular bisector of a segment, using only compass and straight edge	
3.	Construction 3	Line perpendicular to a given line l , passing through a given point not on l	
4.	Construction 4	Line perpendicular to a given line l , passing through a given point on l	
5.	Construction 5	Line parallel to given line, through a given point	
6.	Construction 6	Division of a line segment into 2, or 3 equal segments without measuring it	
7.	Construction 7	Division of a line segment into any number of equal segments without measuring it	

8.	Construction 8	Line segment of a given length on a given ray	
9.	Construction 9	Angle of a given number of degrees with a given ray as one arm	
10.	Construction 10	Triangle, given lengths of 3 sides	
11.	Construction 11	Triangle, given SAS data	
12.	Construction 12	Triangle, given ASA data	
13.	Construction 13	Right-angled triangle, given length of hypotenuse and one other side	
14.	Construction 14	Right-angled triangle, given one side and one of the acute angles	
15.	Construction 15	Rectangle given side lengths	
16.	Construction 16	Circumcentre and circumcircle of a given triangle, using only straight edge and compass	
17.	Construction 17	Incentre and incircle of a triangle of a given triangle, using only straight edge and compass	

18.	Construction 18	Angle of 60° without using a protractor or set square	
19.	Construction 19	Tangent to a given circle at a given point on it	
20.	Construction 20	Parallelogram, given the length of the sides and the measure of the angles	
21.	Construction 21	Centroid of a triangle	
22	Construction 22	Orthocentre of a triangle	