

Chapter 10 Review

Do you know the definitions of ...

Concurrent Lines	
Incenter	And its significance to the triangle
Circumcenter	And its significance to the triangle
Orthocenter	
Centroid	And its significance to the triangle
Locus	

Summary

<i>Line Type:</i>	<i>Intersect At:</i>	<i>Also:</i>	<i>Distance</i>
Angle Bisectors	Incenter	Center of inscribed circle	Equidistant from sides
Perpendicular Bisectors	Circumcenter	Center of circumscribed circle	Equidistant from vertices
Altitudes	Orthocenter		
Medians	Centroid		Point is $\frac{2}{3}$ from vertex and $\frac{1}{3}$ from side

Do you know the constructions

Construct 1	Of a congruent segments given a segment
Construct 2	Of a congruent angle given an angle
Construct 3	The bisector of a given angle
Construct 4	The perpendicular bisector of a given segment
Construct 5	The perpendicular of a given segment through a given point on that segment
Construct 6	The perpendicular of a given segment through a given point not on that segment
Construct 7	The line parallel to a given line through a given point not on that line

Do you know the constructions

Construct 8	A tangent to a given circle and through a given point on that circle
Construct 9	A tangent to a given circle and through a given point not on that circle
Construct 10	A circumscribed circle about a given triangle
Construct 11	An inscribed circle inside of a given triangle
Construct 12	To divide a given segment into a given number of congruent segments
Construct 13	Of a proportional segment given three other segments
Construct 14	The segment that is the geometric mean between two given segments
Figures given conditions (locus constructions)	