2014-10-03

Chapter 3.2

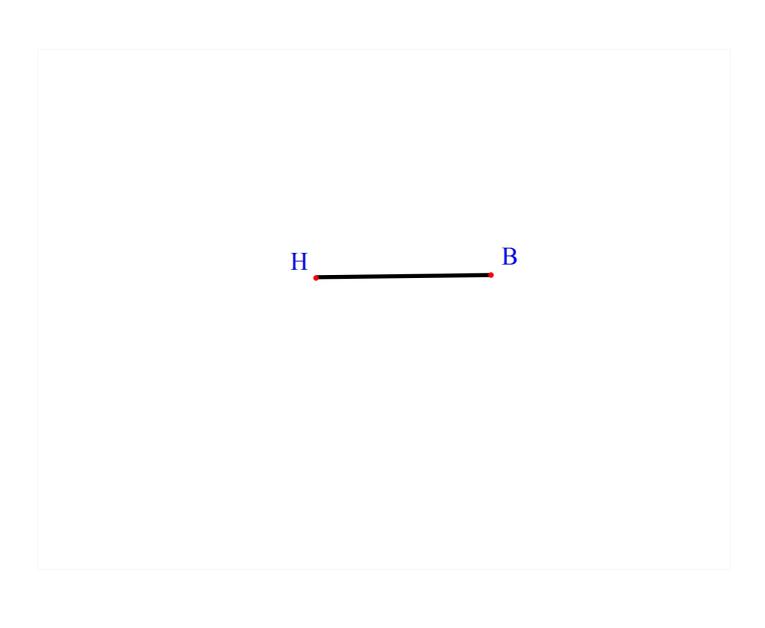
Constructions

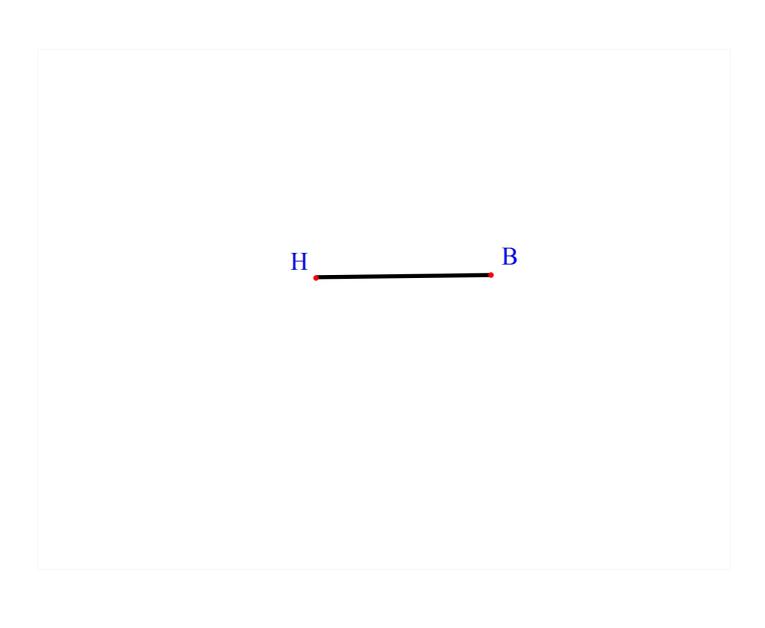
Today we will learn to construct *perpendicular bisectors* of line segments.

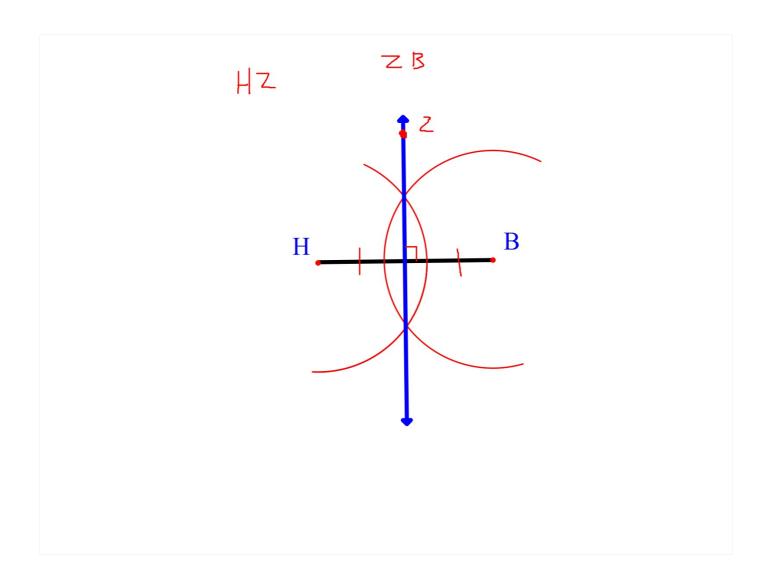
Please take out your compass and straight edge!

Get out Textbooks and Comp Books!

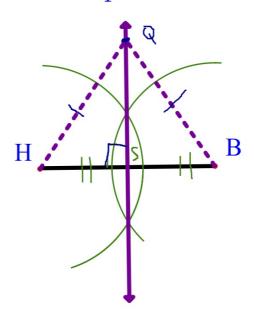






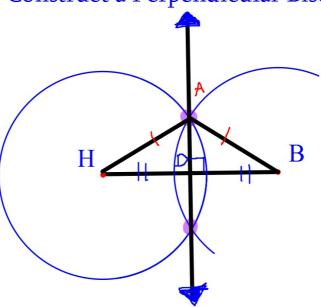


Construct a Perpendicular Bisector:

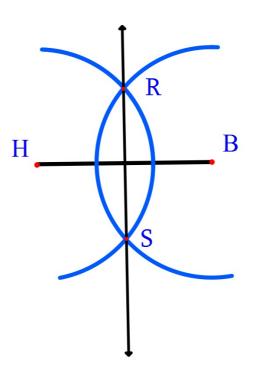




Construct a Perpendicular Bisector:

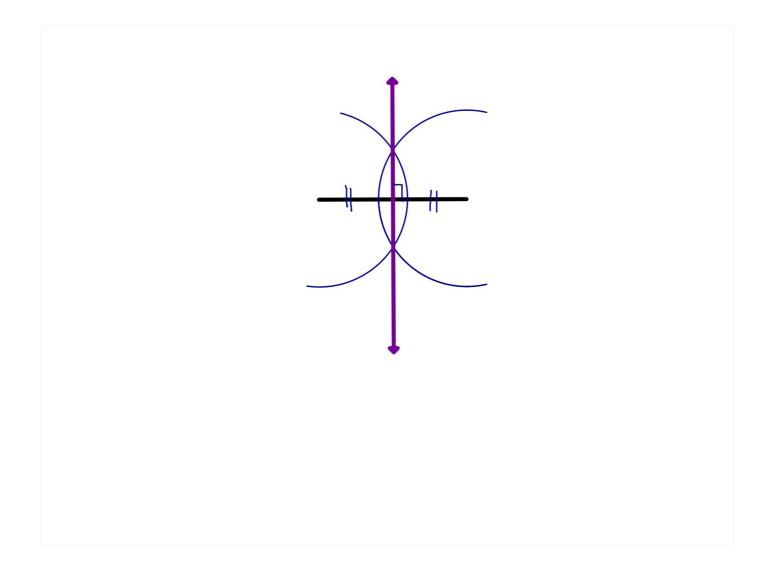


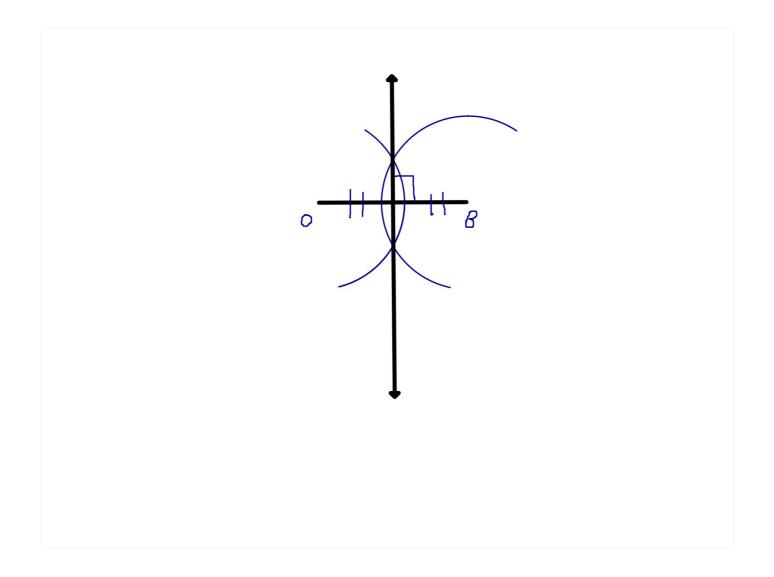
Construct a Perpendicular Bisector:

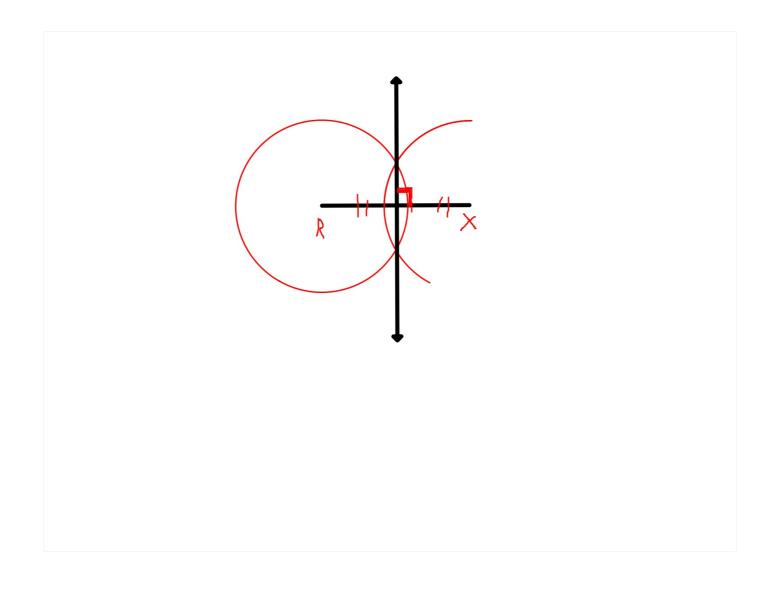


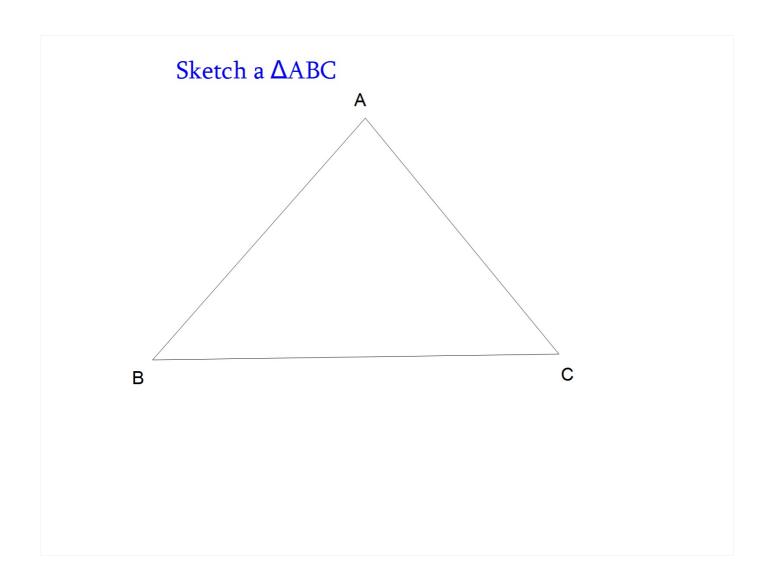
Label a point on the perpendicular bisector.

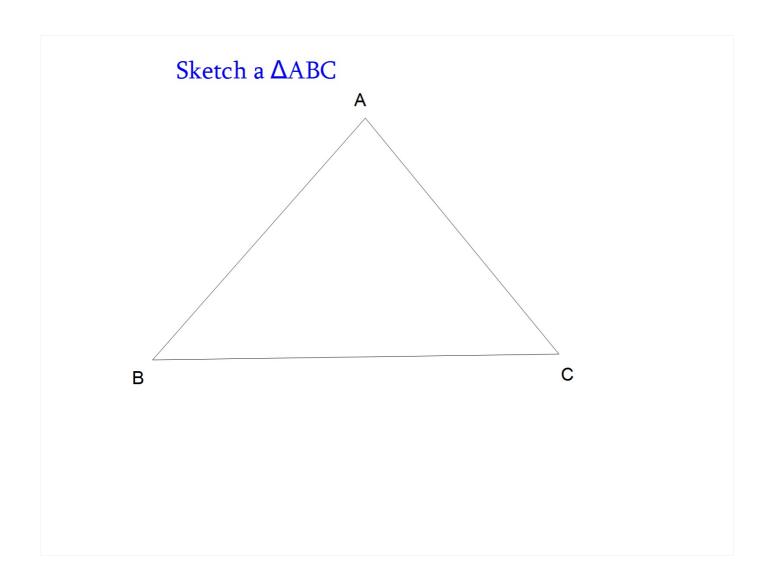
Measure the distance (with your compass) between the point and the two endpoints of the segment. What do you notice?

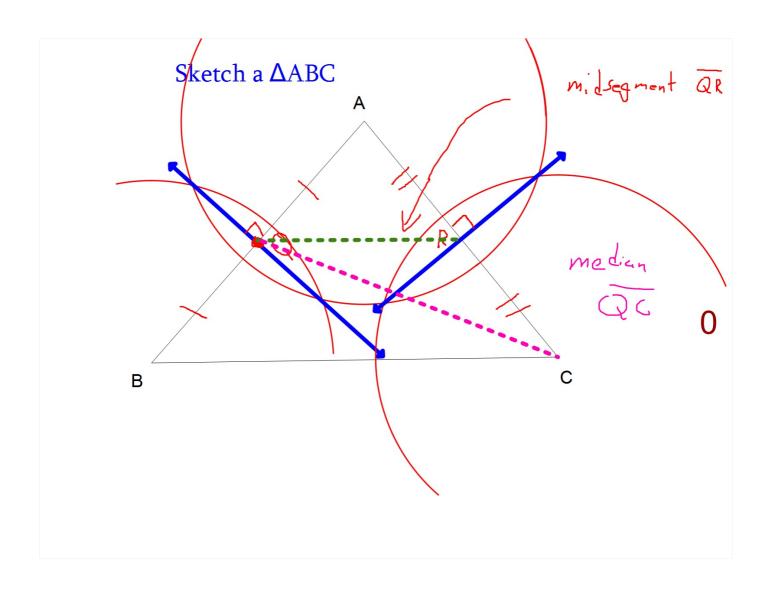


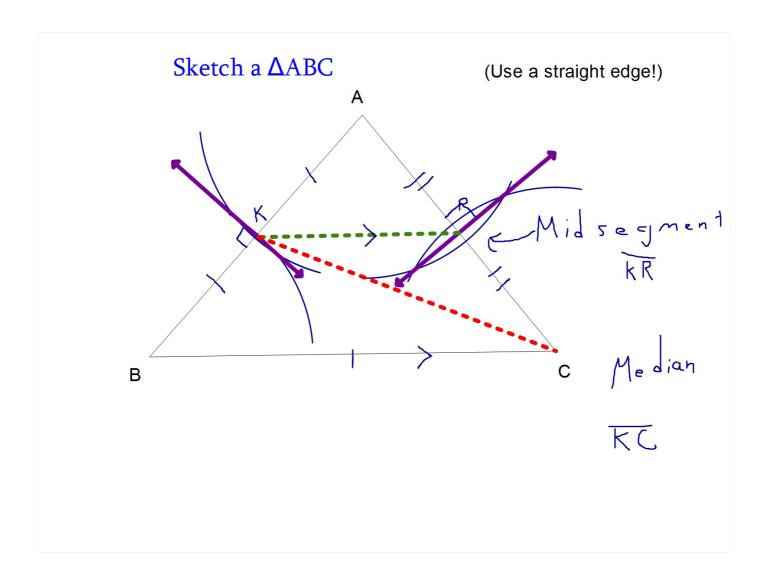


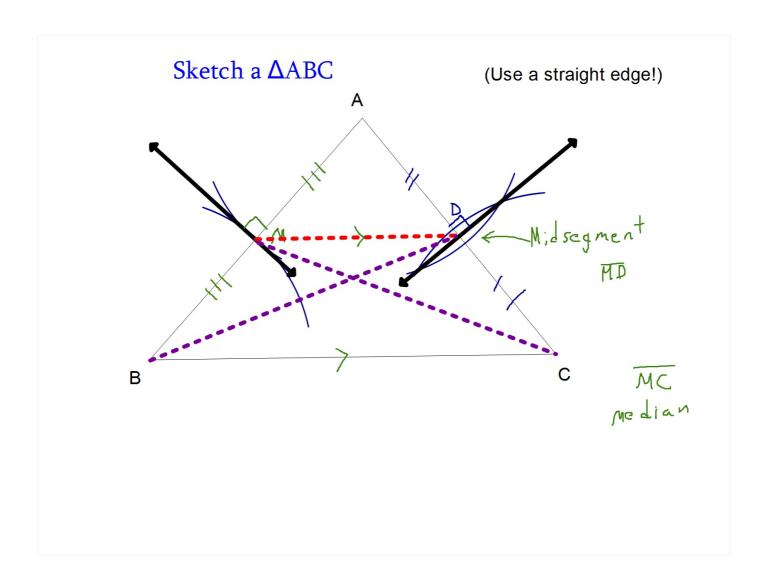


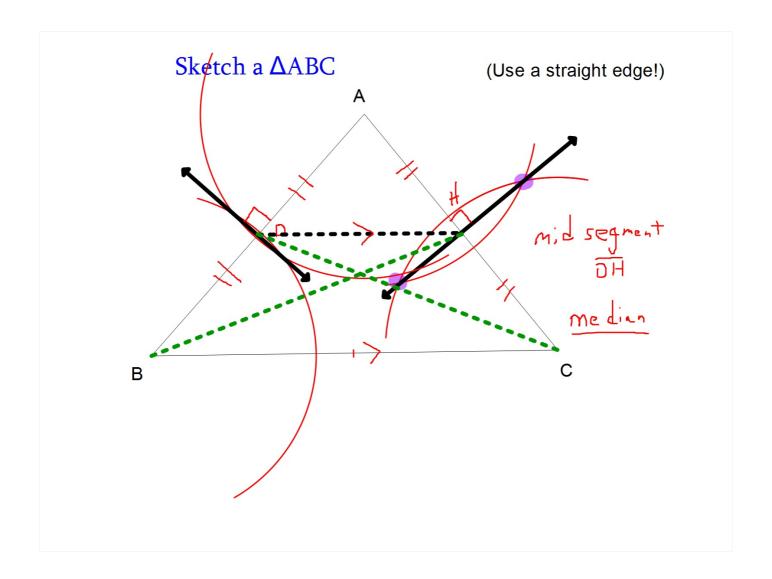




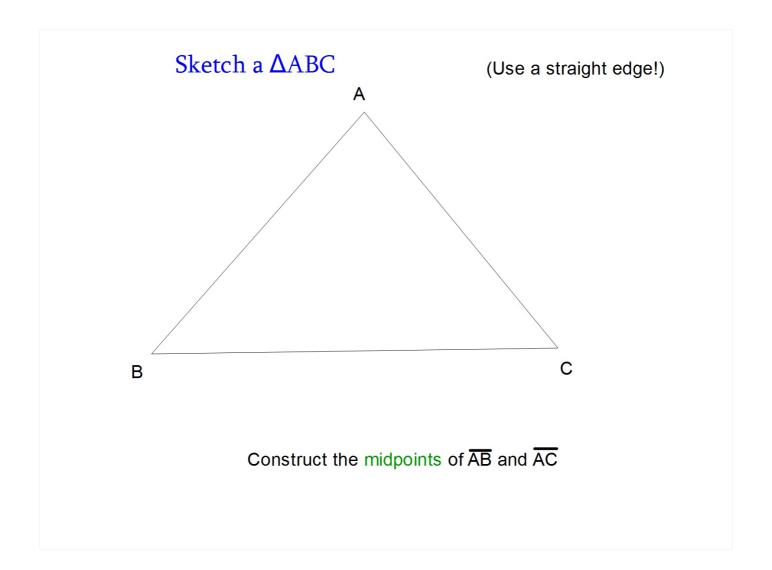


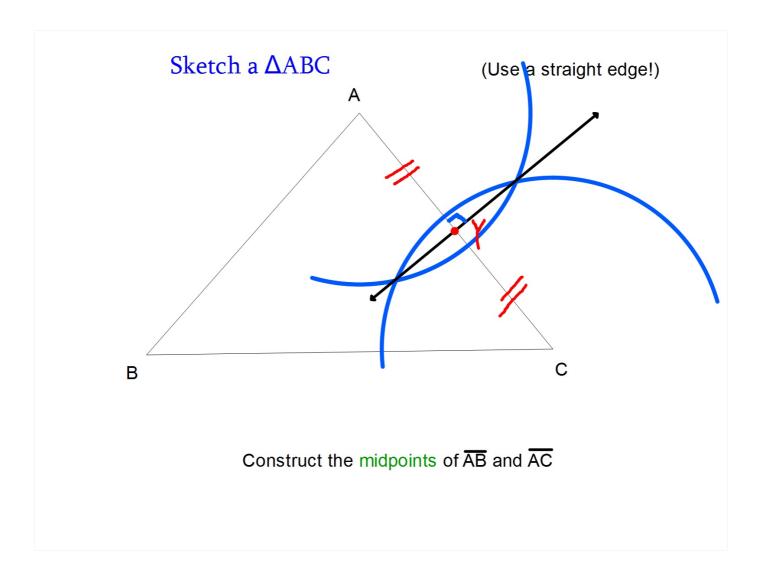


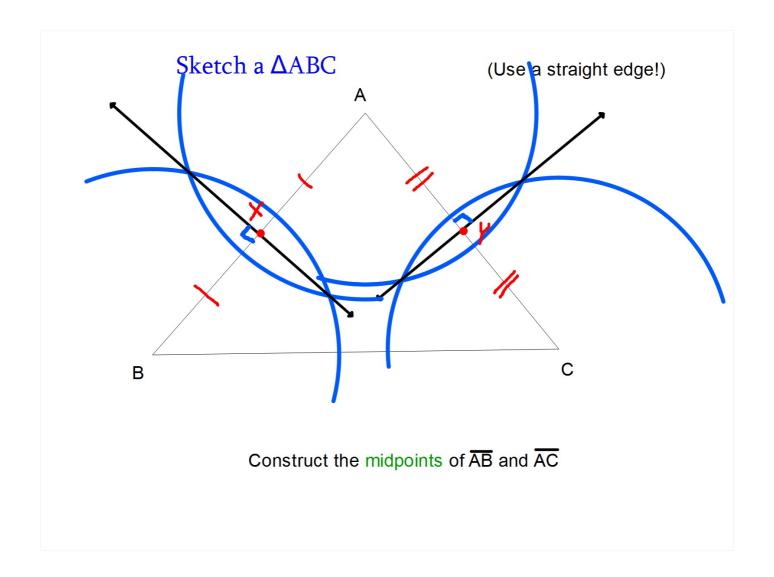


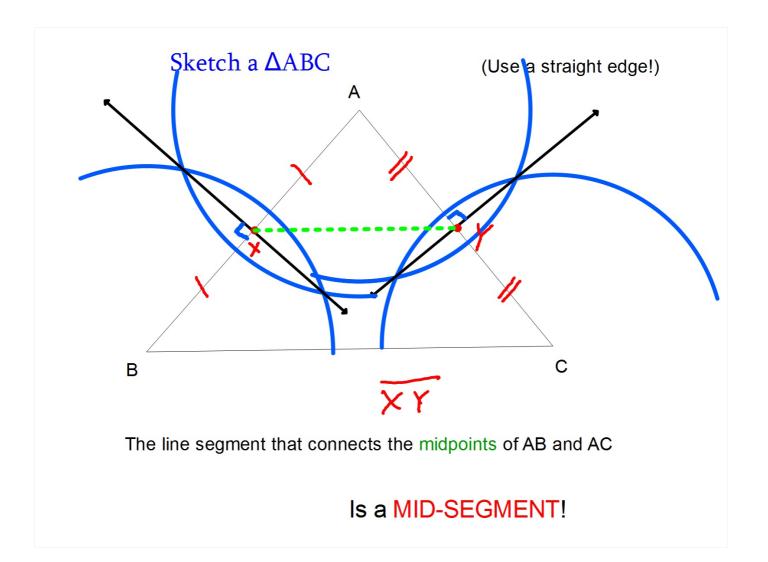


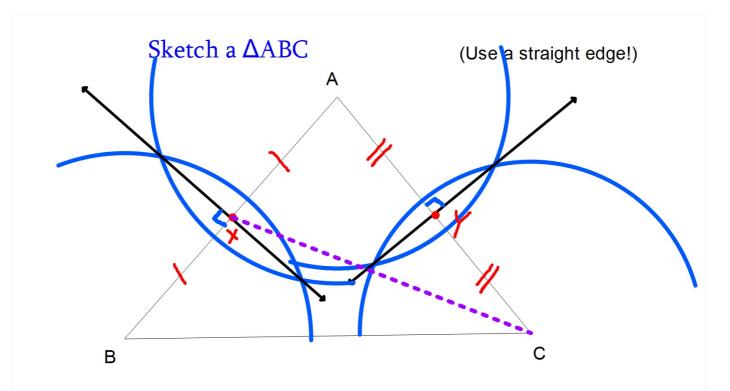












The line segment that connects a midpoint to the opposite vertex



Term	Definition	Picture
Median	line segment connecting a vertex to the midpoint of its opposite side	
Midsegment	line segment connecting a midpoint of one side to the midpoint of another side	1
	HW:	1
	p. 151 #1, 2, 5, 7-10	
	(use a compass and straight-edge only!)	

HW:

p. 151 #1, 2, 5, 7-10

(use a compass and straight-edge only!)



