QUIZ 1, JANUARY 23, LECTURE 3

Name	Rui	Qiu	Student number 999292509
middle naint	t of the	opposite	Join the middle point of each of its edges with the edge. Prove that the three segments you constructed what proportion does this point divide each segment?
PQ	O R		Name middle points P. Q.R. and A', B', C' respectively. went to prove segments PA', QB' and RC' pass
MX C B	A,		Prof: what if they at all
Supp	6.3		AB' intersect at point M. PQ LABEBA', LPMQ=LAMB'
B' A	× / .	SO M	M & DA'B'M is the midpoint of PA' and QB'. y we can prove by the equality of and DC'MA', DRMQ and DC'B'M and DC'MA', DA PA' & RC' is the the intersection of PA' & RC' is the point of PA' & RC', and the intersection point of PA' & RC'. B'and RC' is the middle point of PA' & RC'. thely
	S	imilarly JPRM that t	and $\Delta C'MA' > \Delta RMQ$ and $\Delta C'B'M$ and $\Delta C'MA' > \Delta RMQ$ and $\Delta C'B'M$ the intersection of PA' & RC' is the
	þ	niddle of Ql respen	B'and RC' is the middle point of PA' & RC'.
	H	lence -	they pass through one point. they pass through one point. result, M divides segment into 2 equal part
	(na	mely,	(1:1).