9	The points P and Q have coordinates $(-2, 5)$ and $(2, -3)$ respectively.	
	(a) Find an equation for the line PQ .	(2)
		(2)
	The point N is such that PNQ is a straight line and $PN:NQ = 3:1$	
	The straight line l passes through N and is perpendicular to PQ .	
	(b) Find	
	(i) the coordinates of N ,	
	(ii) an equation for l .	(5)
		(5)
	The points S and T lie on l and have coordinates $(3, s)$ and $(t, -2)$ respectively.	
	(c) Find	
	(i) the value of s,	
	(ii) the value of t .	(2)
	(d) Find the area of the quadrilateral <i>PSQT</i> .	
	(a) I had the their of the quadritateral I SQ1	(4)



Question 9 continued					
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Question 9 continued	
	(Total for Question 9 is 13 marks)

