10	The point A has coordinates $(-3, 4)$ and the point C has coordinates $(5, 2)$. The mid-point of AC is M . The line l is the perpendicular bisector of AC .		
	(a) Find an equation of <i>l</i> .		
		(4)	
	(b) Find the exact length of AC.	(2)	
		(2)	
	The point B lies on the line l. The area of triangle ABC is $17\sqrt{2}$		
	(c) Find the exact length of BM .	(2)	
		(2)	
	(d) Find the exact length of AB .	(2)	
	(a) Find the goordinates of each of the two nessible nesitions of P	(-)	
	(e) Find the coordinates of each of the two possible positions of <i>B</i> .	(6)	

Question 10 continued				



Question 10 continued				
	(Total for Question 10 is 16 marks)			
TOTAL FOR PAPER IS 100 MA				