9	The line l_1 with equation $y + 2x - 4 = 0$ passes through the point P with coordinates			
	(a, 6) and the point Q with coordinates $(3, b)$.			
	(a) Find the value of a and the value of b .			
	The line l_2 passes through point P and is perpendicular to l_1			
	The point R , with coordinates (e, f) lies on l_2 such that $PR = 6\sqrt{5}$			
	(b) Find the two possible pairs of values of e and f .	(8)		
	Given that $e < 0$,			
	(c) find the area of triangle PQR .	(3)		
	The points P , Q and R lie on a circle C .			
	(d) Find the coordinates of the centre of <i>C</i> .	(2)		

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Question 9 continu	ıed		



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Question 9 continued				

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