3	A line, $l$ , joins point $F(3, 2)$ and point $G(-5, 4)$ .		
	(a)	Calculate the length of line <i>l</i> .	
		[3	1
	(b)	Find the equation of the perpendicular bisector of line <i>l</i> in the form $y = mx + c$ .	J
	(0)	That the equation of the perpendicular discetor of fine $i$ in the form $y = mx + \epsilon$ .	
		y =  [5	1
	(-)		]
	(c)	A point $H$ lies on the $y$ -axis such that the distance $GH = 13$ units.	
		Find the coordinates of the two possible positions of $H$ .	
		() and () [4	]

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