MME

GCSE MATHEMATICS

y = mx + c

Please write clearly in block capitals

Forename:

Surname:

Materials

For this paper you must have:

mathematical instruments

You can use a calculator.



Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- · The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

Advice

· In all calculations, show clearly how you work out your answer.



	3	
2(2)	Find the equation of the line AB where:	
2(α)	The the equation of the line AB where. A = (5.10) B = (11.22)	
	A = (5,10) B = (11,22)	
	Give your answer in the form $y = mx + c$.	
		[2 marks]
	Answer	
2(b)	Find the equation of the line <i>CD</i> where,	
	C = (-2, -7) D = (-14, -11)	
	Give your answer in the form $y = mx + c$.	
		[2 marks]
	Answer	





From the equations below, find four pairs of equations which have the same gradient.

	А	y = 7x + 4		Е	$\frac{y}{x} = 3$				
	В	$(x+1)^2 - x^2 = 4y$		F	y - 2(x+3) = -((6+x)			
	С	2(3x+4) - y - (1-x) = 0		G	6y - 3x + 2 =	: 0			
	D	2y = 3(2x - 4)		Н	x = y				
						[4 marks]			
and									
			and						
			and						
			and						
	Turn over for next question								

Turn over ►

4



7(a)	Two lines FF and GH are parallel	
	FF: v = 5r - 2	
	G = (5 a)	
	u = (3, u) u = (2, g)	
	Find the value of a	
		[2 monko]
		[3 marks]
	Answer	
7(b)	Honce or otherwise, write down the equation of GH	
7(0)	hence of otherwise, while down the equation of Gri.	[2 marka]
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