Edexcel GCSE Mathematics (Linear) – 1MA0

SHIDENT BOUNTS, COM **SIMULTANEOUS EQUATIONS**

Materials required for examination

Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser. Tracing paper may be used.

Items included with question papers



Instructions

Use black ink or ball-point pen.

Fill in the boxes at the top of this page with your name, centre number and candidate number. Answer all questions.

Answer the questions in the spaces provided – there may be more space than you need. Calculators may be used.

Information

The marks for each question are shown in brackets – use this as a guide as to how much time to spend on each question.

Questions labelled with an asterisk (*) are ones where the quality of your written communication will be assessed – you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.

Advice

Read each question carefully before you start to answer it.

Keep an eye on the time.

Try to answer every question.

Check your answers if you have time at the end.

1.	Solve the simultaneous equations			
		3x + 2y = 4		
		4x + 5y = 17		
		•		
			<i>x</i> =	
			<i>A</i> –	•••••
			<i>y</i> =	
				(4 marks)
				

2.	Solve	the	ea	uations
	DOIVE	uic	CQ	autions

$$3x + 5y = 19$$

$$4x - 2y = -18$$

x =

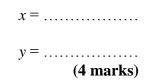
y =

(4 marks)

	3x + 4y = 200 $2x + 3y = 144$	

4.	Solve the simultaneous equations			
		5x + 2y = 11		
		4x - 3y = 18		
			<i>x</i> =	
			<i>y</i> =	
			•	(4 marks)

olve the simultaneous equations	
	4x - 3y = 11 $10x + 2y = -1$
(olve the simultaneous equations



$$3x + 7y = 26$$

$$4x + 5y = 13$$

(4 marks)

7.	Solve t	the	simultaneous	equations
<i>,</i> •	50110	1110	billiaitaileoab	equations

$$6x - 2y = 33$$

$$4x + 3y = 9$$

(4 marks)