

GCSE MATHEMATICS AQA | Edexcel | OCR | WJEC

Collecting Like Terms

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.

1	Write the following expressions in their simplest form:	
1(a)	a + 2a + 3a	[1 mark]
	Answer	
1(b)	3b + 4b + 5b + 3b	[1 mark]
	Answer	
1(c)	4c + 7c + 5c + 2c	[1 mark]
	Answer	
4/4\	6d + 4d + 3d + 6d	
1(d)	6u + 4u + 3u + 6u	[1 mark]
	Answer	
1(e)	9i + 10i + 7i	
, ,		[1 mark]
	Answer	
	Turn over for next question	

2	Write the following expressions in their simplest form:	
2(a)	a-2a+3a	[1 mark]
	Answer	
2(b)	3b + 4b + 5b - 3b	[1 mark]
	Answer	
2(c)	4c + 7c - 5c + 2c	[1 mark]
	Answer	
2(d)	6d - 4d + 3d + 6d	[1 mark]
	Answer	
2(e)	9i + 10i - 7i	[1 mark]
	Answer	
	Turn over for next question	

Turn over ▶

3	Write the following express	ions in their simplest form:	
3(a)		a+5a-3a+4b+3b	[1 mark]
	Answer		
3(b)		5c + 6c + 4d + 3d	[1 mark]
	Answer		
3(c)		7e - 5e + 4e - 5f + 8f + 2f	[1 mark]
	Answer		
3(d)		6k + 8l - 4k - 2k + 10l	[1 mark]
	Answer		
3(e)		9u - 7t + 2u - 11u + 7t	[1 mark]
	Answer		
		Turn over for next question	

4	Write the following express	ions in their simplest form:	
4(a)		6x + 3x - 2x + 10	[1 mark]
			-
	Answer		
4(b)		11x - 20x + 10 + 20	[1 mark]
	Answer		-
4(c)		-3x-6x-4-3x	[1 mark]
	Answer		-
4(d)		3x + 4y + 2x + 6y + 10	[1 mark]
	Answer		_
4(e)		-4x + 10y + 4x - 5y + 20 - 1	[1 mark]
	Answer		-
		Turn over for next question	

Turn over ▶

5 For the following shapes, write an expression, in its simplest form, for the perimeter of the shape. 5(a) x + 32x - 102x - 10x + 3[2 marks] Answer 5(b) 2y - 3[2 marks] Answer **End of Questions**

END