

Friday 24 May 2013 – Morning

AS GCE MATHEMATICS

4736/01 Decision Mathematics 1

PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

OCR supplied materials:

- Question Paper 4736/01 (inserted)
- List of Formulae (MF1)

Other materials required:

- Scientific or graphical calculator

Duration: 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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INSTRUCTIONS TO CANDIDATES

These instructions are the same on the Printed Answer Book and the Question Paper.

- The Question Paper will be found in the centre of the Printed Answer Book.
- Write your name, centre number and candidate number in the spaces provided on the Printed Answer Book. Please write clearly and in capital letters.
- **Write your answer to each question in the space provided in the Printed Answer Book.** Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Do **not** write in the bar codes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question or is clearly appropriate.

INFORMATION FOR CANDIDATES

This information is the same on the Printed Answer Book and the Question Paper.

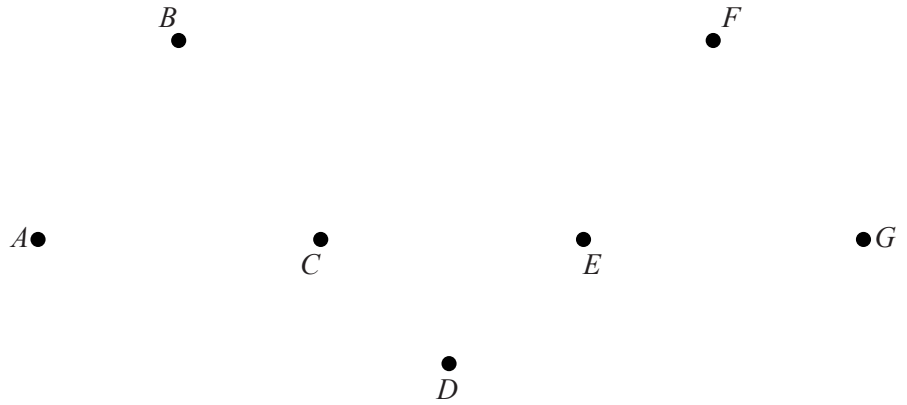
- The number of marks is given in brackets [] at the end of each question or part question on the Question Paper.
- **You are reminded of the need for clear presentation in your answers.**
- The total number of marks for this paper is **72**.
- The Printed Answer Book consists of **12** pages. The Question Paper consists of **8** pages. Any blank pages are indicated.

1 (i)	
1 (ii)	
1 (iii)	

2 (ii)(b)	<p>• • • •</p> <p>• • • •</p>
2 (ii)(c)	<p>• • • •</p> <p>• • • •</p>

4 (i)

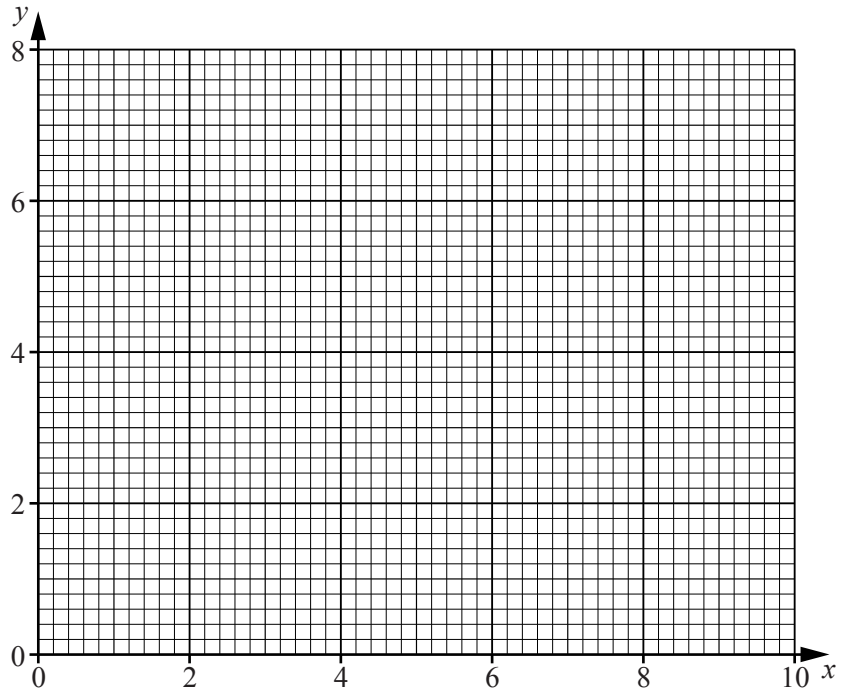
$CD = 5$
 $DE = 7$
 $AB = 8$
 $CE = 8$
 $FG = 9$
 $BC = 10$
 $AC = 11$
 $EF = 12$
 $BF = 14$
 $EG = 15$
 $AD = 16$
 $DG = 18$
 $BE = 20$
 $AF = 23$
 $BG = 24$
 $CF = 24$



4 (ii)

5 (ii)	
5 (iii)	
5 (iv)	

6 (i)



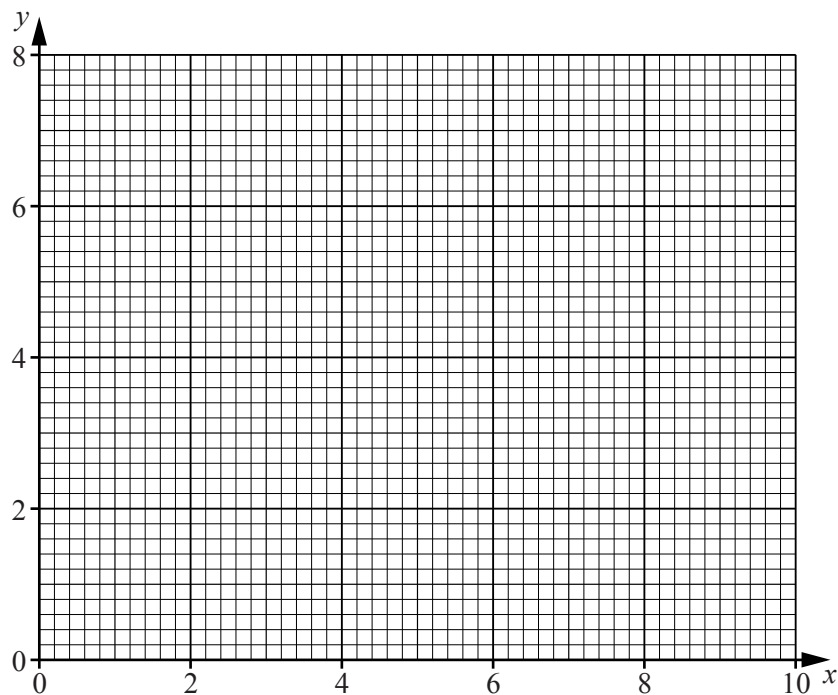
There is a spare copy of the grid on page 12.

6 (ii)

6 (iii)

6 (vi)	continued

Spare copy of grid for Question 6(i)



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