

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS  
AS GCE**

**4771/01**

**MATHEMATICS (MEI)**

**Decision Mathematics 1**

**PRINTED ANSWER BOOK**

**TUESDAY 10 JUNE 2014: Morning**

**DURATION: 1 hour 30 minutes  
plus your additional time allowance**

**MODIFIED ENLARGED**

<b>Candidate forename</b>		<b>Candidate surname</b>	
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<b>Centre number</b>						<b>Candidate number</b>				
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**Candidates answer on this Printed Answer Book.**

**OCR SUPPLIED MATERIALS:**

**Question Paper 4771/01 (inserted)**

**MEI Examination Formulae and Tables (MF2)**

**OTHER MATERIALS REQUIRED:**

**Scientific or graphical calculator**

**READ INSTRUCTIONS OVERLEAF**

## **INSTRUCTIONS TO CANDIDATES**

**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.**

**Read each question carefully. Make sure you know what you have to do before starting your answer.**

**Answer ALL the questions.**

**You are permitted to use a scientific or graphical calculator in this paper.**

**Final answers should be given to a degree of accuracy appropriate to the context.**

## **INFORMATION FOR CANDIDATES**

**The number of marks is given in brackets [ ] at the end of each question or part question on the Question Paper.**

**You are advised that an answer may receive NO MARKS unless you show sufficient detail of the working to indicate that a correct method is being used.**

**The total number of marks for this paper is 72.**

**Any blank pages are indicated.**

**SECTION A (24 marks)**

<b>1 (i)</b>	
<b>1 (ii)</b>	

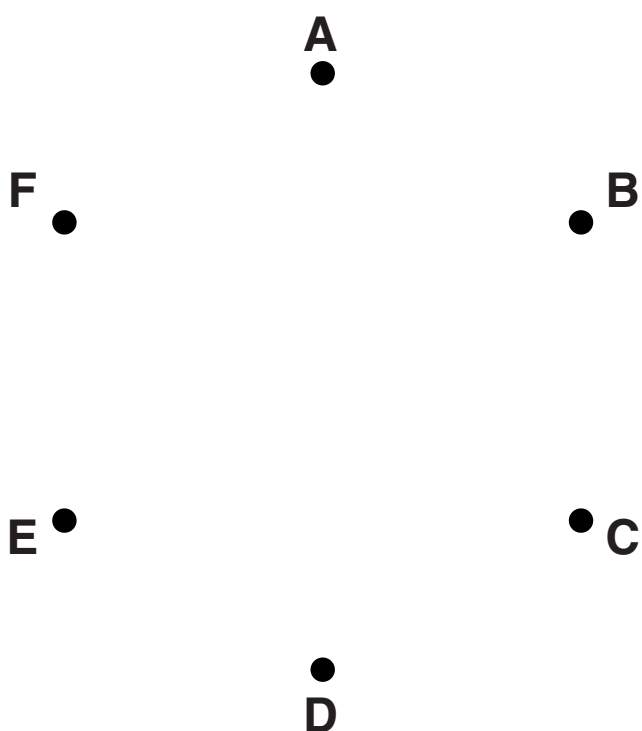
<b>1 (iii)</b>	
<b>1 (iv)</b>	
<b>2 (i)</b>	
<b>2 (ii)</b>	<b>Random digits:</b>
	<b>7 9 1 2 3 0 6 5 2 6 1 9 4 4 2</b>

<b>2(iii)</b>	
<b>2(iv)</b>	<b>Random numbers:</b>
	<b>21 37 55 42 12 85 62 23 05 09 67 56 23 34 15</b>
<b>2(v)</b>	

**3(i)**

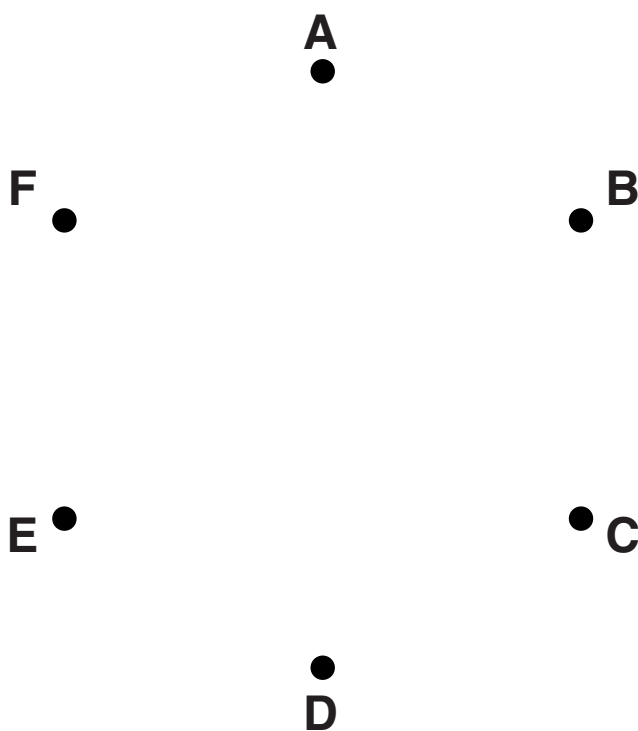
**3(ii)** A spare copy of this table and diagram can be found on page 8.

	A	B	C	D	E	F
A		6	7	12		3
B	6		10		8	
C	7	10		2		
D	12		2		9	8
E		8		9		
F	3			8		



**3(ii) Spare copy of table and diagram for question 3(ii)**

	A	B	C	D	E	F
A		6	7	12		3
B	6		10		8	
C	7	10		2		
D	12		2		9	8
E		8		9		
F	3			8		





**SECTION B (48 marks)**

<b>4 (i)&amp;(ii)</b>	
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#### 4 (iii)

[illegible]

<b>4 (iv)</b>	
<b>5 (a) (i)</b>	
<b>5 (a) (ii)</b>	

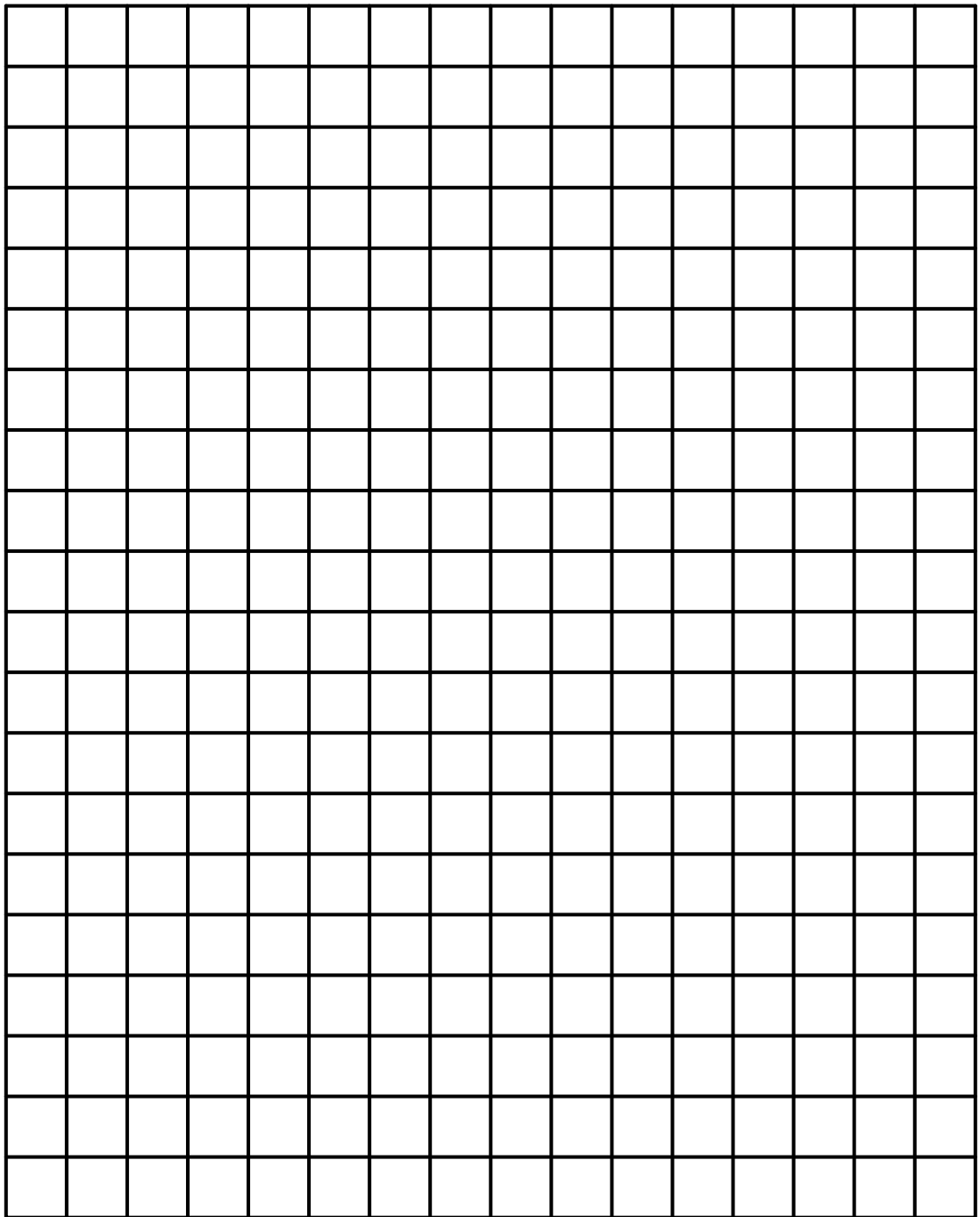
<b>5 (a) (iii)</b>	
<b>5 (a) (iv)</b>	
<b>5 (b) (i)</b>	

<b>5(b)(ii)</b>	
<b>5(b)(iii)</b>	

<b>5 (b) (iv)</b>	

<b>5(b)(v)</b>	
<b>6(i)</b>	

**6(ii) A spare copy of this graph paper is available on page 19.**

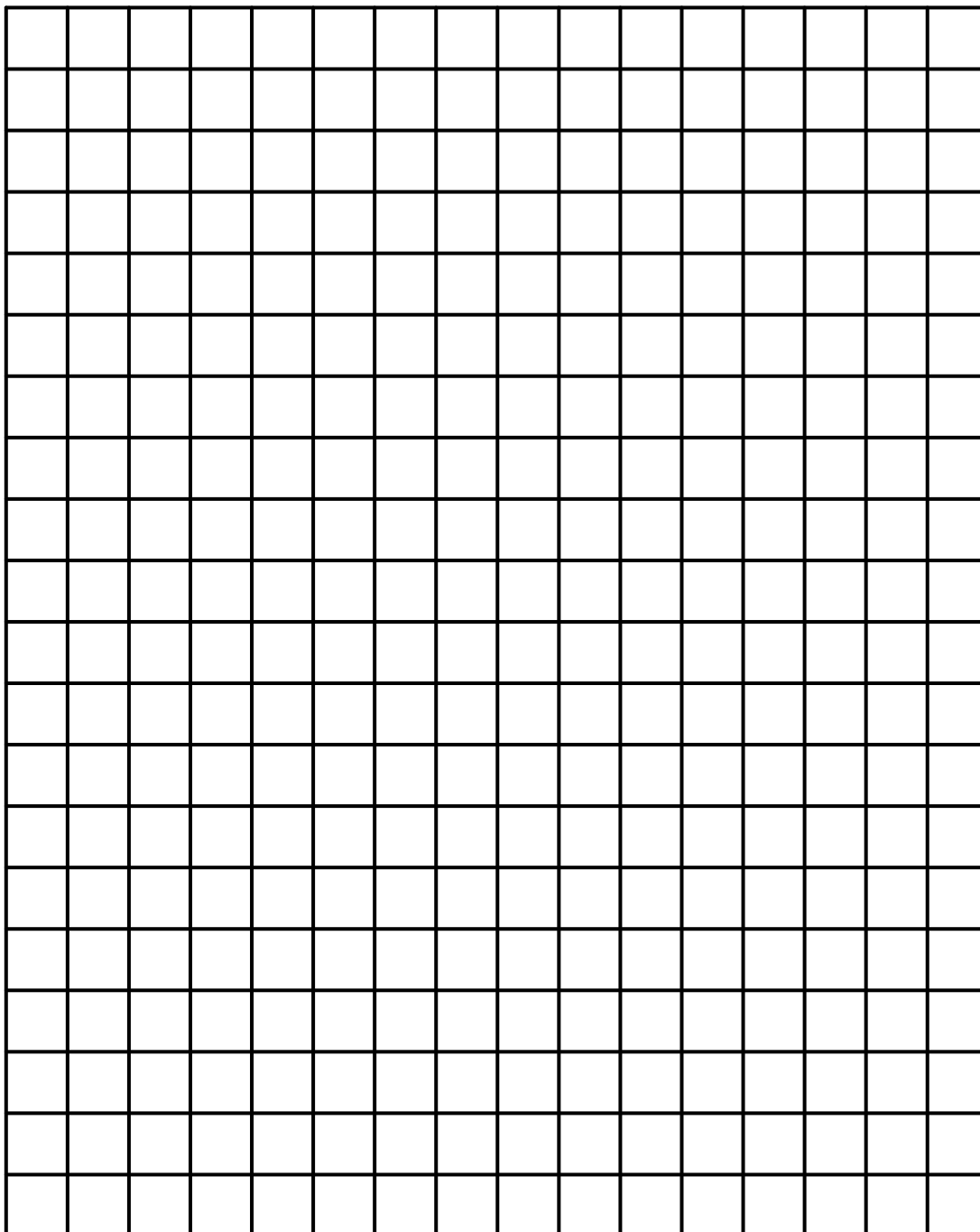




<b>6 (iii)</b>	

6(iv)	

**6(ii) Spare copy of graph paper for question 6(ii).**





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