

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS  
AS GCE**

**4736/01**

**MATHEMATICS**

**Decision Mathematics 1**

**PRINTED ANSWER BOOK**

**FRIDAY 24 MAY 2013: 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 or any suitable paper provided by the centre. The Printed Answer Book may be enlarged by the centre.**

**OCR SUPPLIED MATERIALS:**

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

**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 or the paper provided by the centre. Please write clearly and in capital letters.**
- **If you use the Printed Answer Book, write your answer to each question in the space provided. 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.**
- **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**

- 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.



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<b>1 (i)</b>	

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

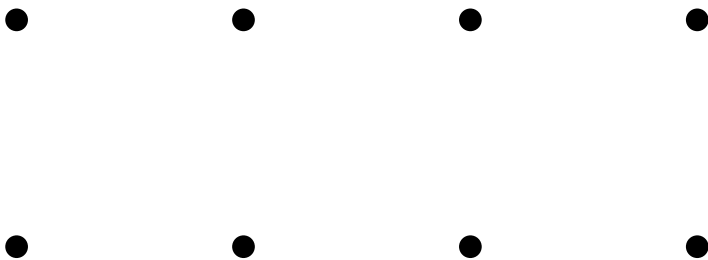


<b>2 (i)(b)</b>	<b>(continued)</b>
<b>2 (ii)(a)</b>	

2 (ii)(b)	
	<div>• • • •</div> <div>• • • •</div>



2 (ii)(c)



**3 (i)**

[illegible]

**There is a spare copy of the table on page 12.**

3 (ii)	
3 (iii)	

**3 (i) Spare copy of table for question 3(i)**

[illegible]

**4 (i)**

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

**B.**

A.



# ● F

G.

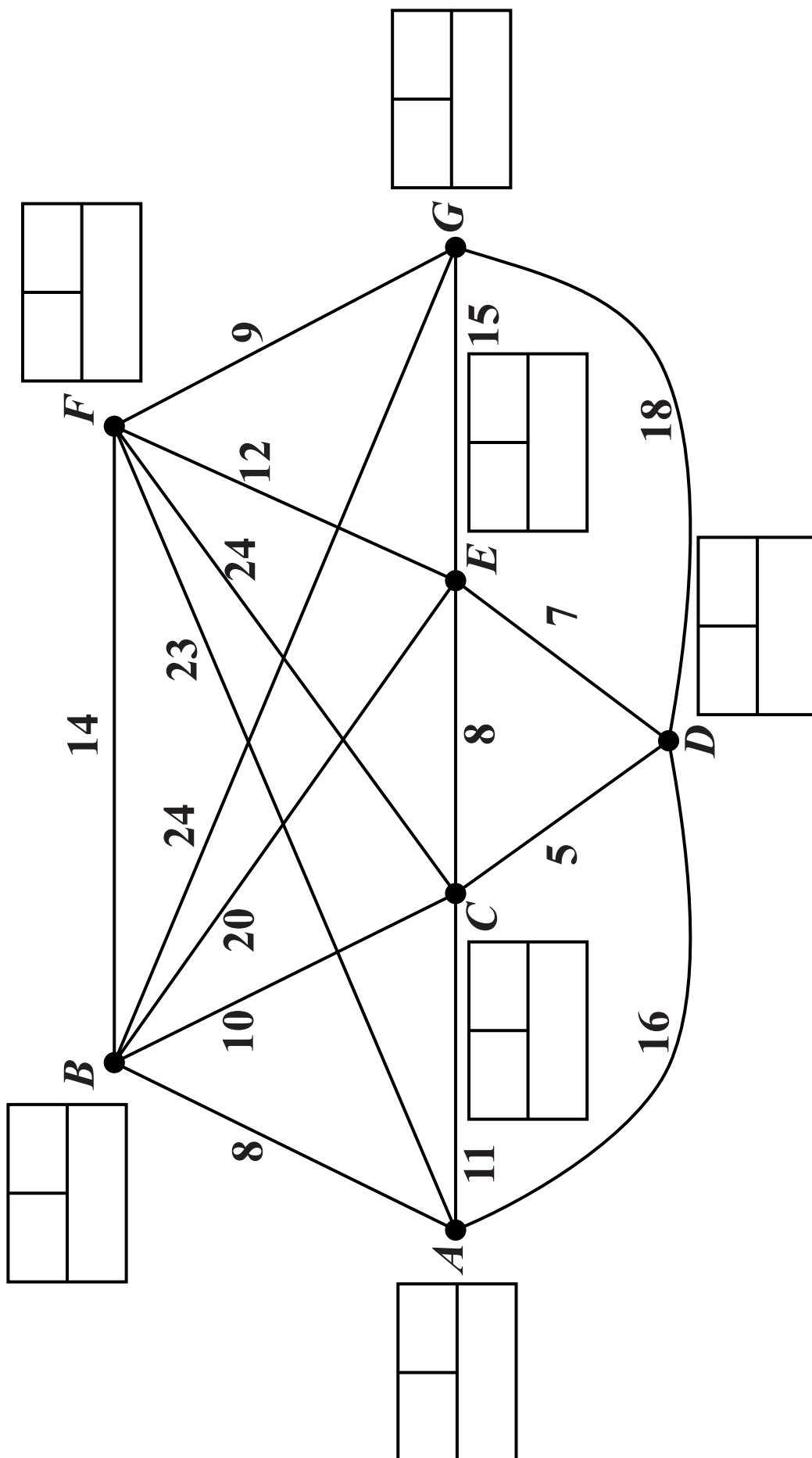
● D

**F.**



<b>4 (iii)</b>	

5 (i)



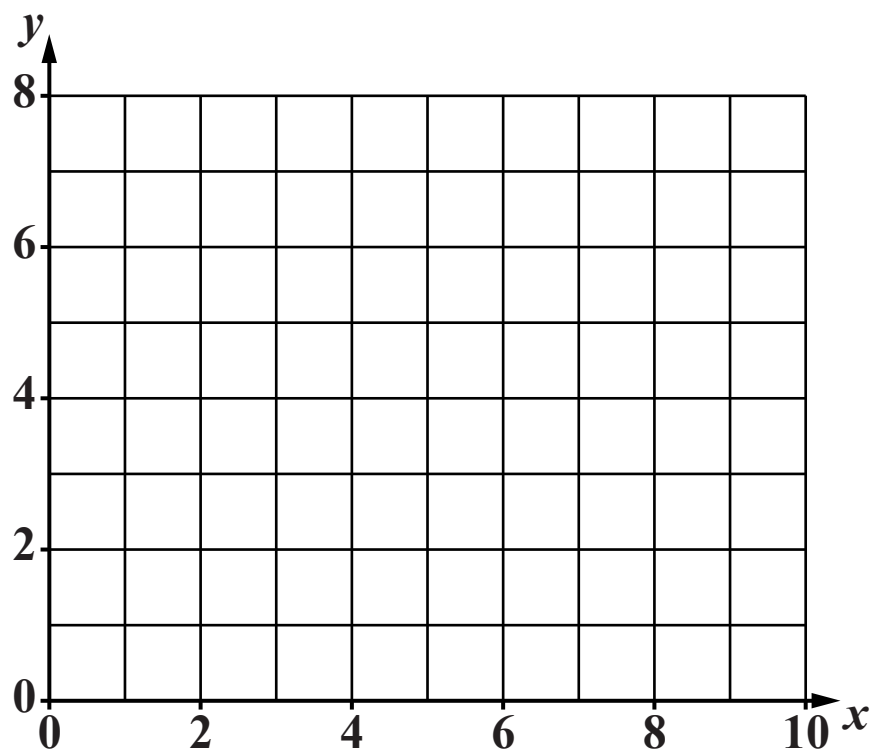


<b>5 (ii)</b>	

[illegible]

<b>5 (iv)</b>	

**6 (i)**



**There is a spare copy of the grid on page 24.**

**6 (ii)**

<b>6 (iii)</b>	
<b>6 (iv)</b>	

<b>6 (v)</b>	
<b>6 (vi)</b>	
<b>(answer space continued on next page)</b>	

<b>6 (vi)</b>	<b>(continued)</b>
	<b>(answer space continued on next page)</b>

**6 (vi) (continued)**


**Spare copy of grid for Question 6(i)**

