

OCR

Oxford Cambridge and RSA

Monday 6 June 2016 – Afternoon

FSMQ ADVANCED LEVEL

6993/01 Additional Mathematics

PRINTED ANSWER BOOK

Candidates answer on the Printed Answer Book.

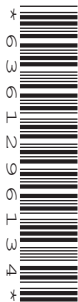
OCR supplied materials:

- Question Paper 6993/01 (inserted)

Other materials required:

- Scientific or graphical calculator

Duration: 2 hours



Candidate forename		Candidate surname	
-----------------------	--	----------------------	--

Centre number						Candidate number				
---------------	--	--	--	--	--	------------------	--	--	--	--

INSTRUCTIONS TO CANDIDATES

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

- The Question Paper will be found inside 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.** If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- 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.
- Final answers should be given correct to three significant figures where 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 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 **100**.
- The Printed Answer Book consists of **20** pages. The Question Paper consists of **8** pages. Any blank pages are indicated.

2
Section A

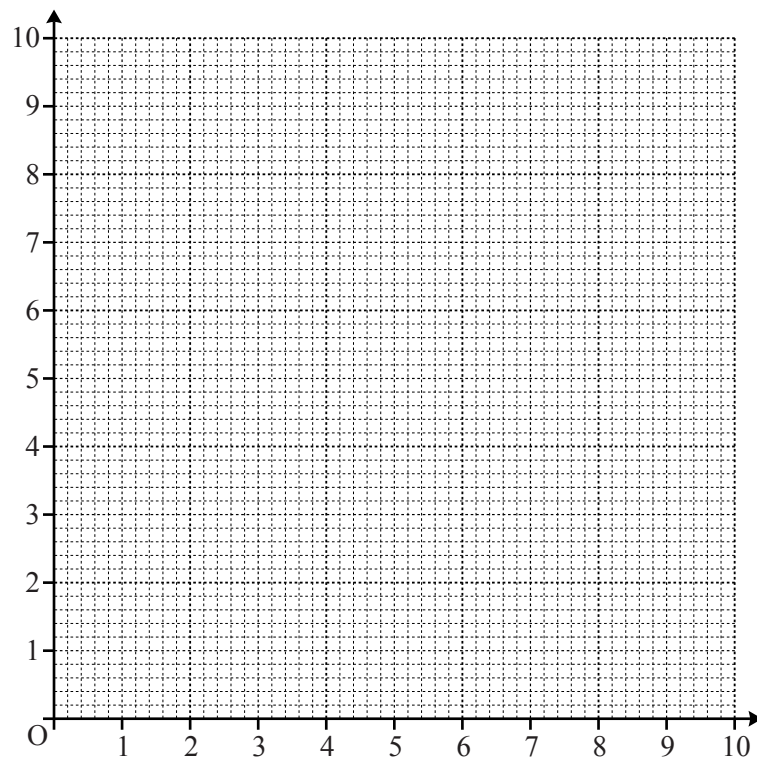
1	
2	

5 (i)	
5 (ii)	

7(i)	
7(ii)	

8 (i)	
8 (ii)	
8 (iii)	

10 (i)



There is a spare copy of this graph on page 18. If you wish to offer a second attempt, then you must cross through the attempt on this page.

10 (ii)

10
Section B

11 (i)	

11 (ii)	

11 (iii)	
11 (iv)	

12 (i)	
12 (ii)	

12 (iii)	
12 (iv)	
12 (v)	

13 (i)	
13 (ii)	

14 (i)	
14 (ii)	

*This is a spare copy of the graph for Question 10(i).
Only write on this page if you want to offer a second attempt at the graph.
If you do so, then you must cross through the first attempt on page 9.*

