

OCR

Oxford Cambridge and RSA

Accredited

A Level Further Mathematics A**Y540 Pure Core 1**

Printed Answer Booklet

Date – Morning/Afternoon

Time allowed: 1 hour 30 minutes

OCR supplied materials:

- Printed Answer Booklet
- Formulae A Level Further Mathematics A

You must have:

- Printed Answer Booklet
- Formulae A Level Further Mathematics A
- Scientific or graphical calculator



First name

Last name

Centre
numberCandidate
number**INSTRUCTIONS**

- Use black ink. HB pencil may be used for graphs and diagrams only.
- Complete the boxes provided on the Printed Answer Booklet with your name, centre number and candidate number.
- Answer **all** the questions.
- **Write your answer to each question in the space provided in the Printed Answer Booklet.**
- Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- 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 to a degree of accuracy appropriate to the context.
- The acceleration due to gravity is denoted by $g \text{ m s}^{-2}$. Unless otherwise instructed, when a numerical value is needed, use $g = 9.8$

INFORMATION

- **You are reminded of the need for clear presentation in your answers.**
- The Printed Answer Booklet consists of **12** pages. The Question Paper consists of **8** pages.

1	
2(i)	
2(ii)	

Specimen

3

Specimen

4	
5(i)	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
5(ii)	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

Specimen

6**7(i)****(answer space continued on next page)**

7(i) (continued)	
7(ii)	

Specimen

8(i)	
8(ii)	

Specimen

9	
10(i)(a)	
10(i)(b)	

Specimen

10(i)(c)	
10(i)(d)	
10(i)(e)	
10(ii)	

11(i)	
11(ii)	

Specimen

11(iii)

Specimen

11(iv)	
11(v)	
11(vi)(a)	
11(vi)(b)	
11(vii)	

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