

**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.

<b>1</b>	
<b>2(i)</b>	
<b>2(ii)</b>	

Specimen

3

Specimen







<b>8(i)</b>	
<b>8(ii)</b>	

Specimen

<b>9</b>	
<b>10(i)(a)</b>	
<b>10(i)(b)</b>	

Specimen



<b>10(i)(c)</b>	
<b>10(i)(d)</b>	
<b>10(i)(e)</b>	
<b>10(ii)</b>	

<b>11(i)</b>	
<b>11(ii)</b>	

Specimen

11(iii)

Specimen

<b>11(iv)</b>	
<b>11(v)</b>	
<b>11(vi)(a)</b>	
<b>11(vi)(b)</b>	
<b>11(vii)</b>	

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