OCR
Oxford Cambridge and RSA

Wednesday 5 June 2019 – Morning

A Level Mathematics A

H240/01 Pure Mathematics

PRINTED ANSWER BOOKLET

Time allowed: 2 hours

You must have:
- Question Paper H240/01 (inserted)

You may use:
- a scientific or graphical calculator

Please write clearly in black ink. **Do not write in the barcodes.**

Centre number | | | | | | Candidate number | | | | |

First name(s) _____

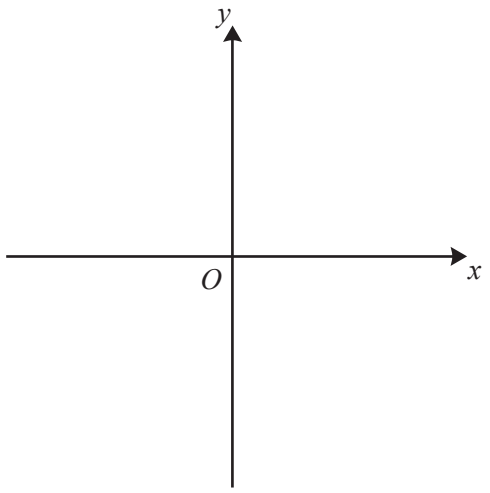
Last name _____

INSTRUCTIONS
- The Question Paper will be found inside the Printed Answer Booklet.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- **Write your answer to each question in the space provided in the Printed Answer Booklet.** If additional space is required, use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- 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.
- The acceleration due to gravity is denoted by $g\,\text{m}\,\text{s}^{-2}$. Unless otherwise instructed, when a numerical value is needed, use $g = 9.8$.

INFORMATION
- The total mark for this paper is **100**.
- The marks for each question are shown in brackets **[ ]**.
- **You are reminded of the need for clear presentation in your answers.**
- The Printed Answer Booklet consists of **16** pages. The Question Paper consists of **8** pages.

1

2(a)(i)



2(a)(ii)

2(b)

2(c)

3(a)	
3(b)	
3(c)	
3(d)	

4(a)

4(b)

4(c)

5(a)

5(b)

6

7

8(a)	
8(b)	
8(c)	

9(a)

9(b)

9(c)

9(d)

10(a)

10(b)

10(c)

10(d)

11(a)

11(b)	
11(c)	

12(a)	
12(b)	

12(c)

ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).