

Please check the examination details below before entering your candidate information

Candidate surname

Other names

**Pearson Edexcel**  
**International**  
**Advanced Level**

Centre Number

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Candidate Number

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**Friday 8 January 2021**

Afternoon (Time: 1 hour 30 minutes)

Paper Reference **WFM01/01**

**Mathematics**

**International Advanced Subsidiary/Advanced Level**  
**Further Pure Mathematics F1**

**You must have:**

Mathematical Formulae and Statistical Tables (Lilac), calculator

Total Marks

**Candidates may use any calculator allowed by Pearson regulations. Calculators must not have the facility for symbolic algebra manipulation, differentiation and integration, or have retrievable mathematical formulae stored in them.**

### Instructions

- Use **black** ink or ball-point pen.
- If pencil is used for diagrams/sketches/graphs it must be dark (HB or B).
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions and ensure that your answers to parts of questions are clearly labelled.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*
- You should show sufficient working to make your methods clear.  
Answers without working may not gain full credit.
- Inexact answers should be given to three significant figures unless otherwise stated.

### Information

- A booklet 'Mathematical Formulae and Statistical Tables' is provided.
- There are 9 questions in this question paper. The total mark for this paper is 75.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

### Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.
- If you change your mind about an answer, cross it out and put your new answer and any working underneath.

Turn over ►

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Question 1 continued

Lined area for writing the answer to Question 1.

(Total 5 marks)

Q1





Question 2 continued

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(Total 5 marks)

Q2



$$\mathbf{M} = \begin{pmatrix} k+5 & -2 \\ -3 & k \end{pmatrix}$$

- (2)

(2)

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Question 3 continued

Lined area for writing the answer to Question 3.

(Total 4 marks)

Q3



(5)

Question 4 continued

Handwriting practice area with 25 horizontal lines.

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Question 4 continued

Lined area for writing the answer to Question 4.

(Total 8 marks)

Q4





Question 5 continued

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Question 5 continued

Lined area for writing the answer to Question 5.

(Total 7 marks)

Q5





Question 6 continued

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### Question 6 continued

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Question 6 continued

Lined area for writing the answer to Question 6.

(Total 11 marks)

Q6





Question 7 continued

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Question 7 continued

Handwriting practice area with 30 horizontal lines.

(Total 9 marks)

Q7

Mark box for Q7



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Question 8 continued

Lined area for writing the answer to Question 8 continued.



### Question 8 continued

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Question 8 continued

Lined area for writing the answer to Question 8 continued.

(Total 14 marks)

Q8





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Question 9 continued

Lined area for writing the answer to Question 9.



### Question 9 continued

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Question 9 continued

Lined area for writing the answer to Question 9.



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Question 9 continued

Lined area for writing the answer to Question 9.

Q9

(Total 12 marks)

TOTAL FOR PAPER: 75 MARKS

END

