

Please check the examination details below before entering your candidate information

Candidate surname

Other names

Centre Number

Candidate Number

**Thursday 11 June 2026**

Time: 2 Hours

Paper  
reference

**MWD/02**

# Mathematics

**Advanced**

**PREDICTED PAPER 2: Pure Mathematics 2**



**You must have:**

Mathematical Formulae and Statistical Tables (Green), calculator

Total Marks

## 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.

**FOR MORE MATHSWITHDAN RESOURCES, SCAN THE QR CODES:**





Hello there! I hope your revision is going splendidly.

Welcome to my Predicted Paper 2 for Edexcel A Level Maths June 2026!

My name is Daniel, I am a full time GCSE and A Level Maths tutor with a First-Class degree In BSc Mathematics.

In addition to my tutoring sessions, I run a YouTube channel where I offer detailed walkthroughs of past GCSE and A-Level Maths papers. I am also on TikTok and Instagram, where I go through quick-fire questions to help students stay sharp, whether they're scrolling late at night or on their way to school!

This paper includes a variety of questions gathered from past exam papers (all publicly available) and questions created by me! I've uploaded a full video walkthrough for this paper on my YouTube channel – it's a great way to check your answers and understand the methods. You can access it by scanning the QR code below or in the top right corner of each page! Do the paper FIRST before watching the video!

### DISCLAIMER:

There is no guarantee the topics in this paper will come up. Use this paper as extra practice alongside comprehensive revision. Good luck!!!

**SCAN THE QR CODE FOR THE ENTIRE WALKTHROUGH**



















**Question 4 continued**

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**(Total for Question 4 is 7 marks)**













**Question 7 continued**

Lined writing area consisting of approximately 30 horizontal lines.











9. (a) Sketch the curve with equation

$$y = a^x + 4$$

where  $a$  is a positive constant greater than 1

On your sketch, show

- the coordinates of the point of intersection of the curve with the  $y$ -axis
- the equation of the asymptote of the curve

(3)

$x$	2	2.3	2.6	2.9	3.2	3.5
$y$	0	0.3246	0.8629	1.6643	2.7896	4.3137

The table shows corresponding values of  $x$  and  $y$  for

$$y = 2^x - 2x$$

with the values of  $y$  given to 4 decimal places as appropriate.

Using the trapezium rule with all the values of  $y$  in the given table,

(b) obtain an estimate for  $\int_2^{3.5} (2^x - 2x) dx$ , giving your answer to 2 decimal places.

(3)

(c) Using your answer to part (b) and making your method clear, estimate

(i)  $\int_2^{3.5} (2^x + 2x) dx$

(ii)  $\int_2^{3.5} (2^{x+1} - 4x) dx$

(3)







**Question 9 continued**

**(Total for Question 9 is 9 marks)**







**Question 10 continued**

Lined writing area with 25 horizontal lines for student response.



**Question 10 continued**

**(Total for Question 10 is 9 marks)**





**Question 11 continued**

**(Total for Question 11 is 6 marks)**









**Question 12 continued**

A series of horizontal lines provided for the student's answer to the question.

**(Total for Question 12 is 9 marks)**







14.

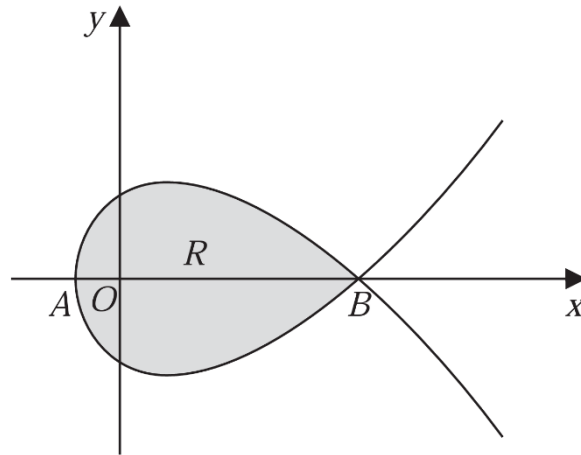


Figure 3 shows a sketch of part of the curve  $C$  with parametric equations

$$x = 7t^2 - 5, \quad y = t(9 - t^2), \quad t \in \mathbb{R}$$

- (a) Find an equation of the tangent to  $C$  at the point where  $t = 1$

Write your answer in the form  $ax + by + c = 0$ , where  $a$ ,  $b$  and  $c$  are integers.

(5)

The curve  $C$  cuts the  $x$ -axis at the points  $A$  and  $B$ , as shown in Figure 3

- (b) (i) Find the  $x$  coordinate of the point  $A$ .  
 (ii) Find the  $x$  coordinate of the point  $B$ .

(3)

The region  $R$ , shown shaded in Figure 3, is enclosed by the loop of the curve  $C$ .

- (c) Use integration to find the area of  $R$ .

(5)

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Scan here:



**Question 14 continued**

A large rectangular area containing numerous horizontal lines for writing. The lines are evenly spaced and extend across most of the width of the page, providing a template for a handwritten answer.









**Question 15 continued**

Lined writing area with horizontal lines for text entry.









Congratulations on completing the paper! I hope it has helped you with your revision.



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Take care!

