CAMBRIDGE
International Education

Cambridge IGCSE™

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

9511613601

CAMBRIDGE INTERNATIONAL MATHEMATICS **0607/22**

Paper 2 Non-calculator (Extended) **February/March 2026**

1 hour 30 minutes

You must answer on the question paper.

You will need: Geometrical instruments

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen. Do **not** use correction fluid or tape.
- Do **not** write on any bar codes.
- Calculators must **not** be used in this paper.
- You may use tracing paper.
- You must show all necessary working clearly. You will be given marks for correct methods even if your answer is incorrect.

INFORMATION

- The total mark for this paper is 75.
- The number of marks for each question or part question is shown in brackets [ ].

This document has **16** pages. Any blank pages are indicated.

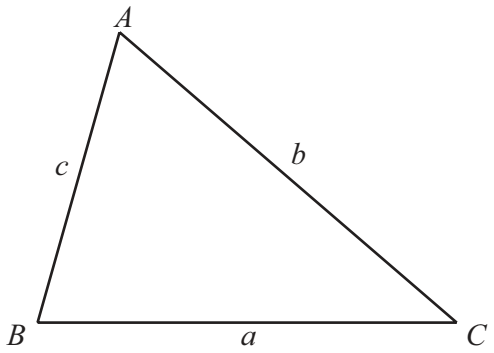
DC (WW/CB) 355925/1
© Cambridge University Press & Assessment 2026

https://xtremepape.rs/

List of formulas

Area, A, of triangle, base b, height h.	$A = \frac{1}{2}bh$
Area, A, of circle of radius r.	$A = \pi r^2$
Circumference, C, of circle of radius r.	$C = 2\pi r$
Curved surface area, A, of cylinder of radius r, height h.	$A = 2\pi rh$
Curved surface area, A, of cone of radius r, sloping edge l.	$A = \pi rl$
Surface area, A, of sphere of radius r.	$A = 4\pi r^2$
Volume, V, of prism, cross-sectional area A, length l.	$V = Al$
Volume, V, of pyramid, base area A, height h.	$V = \frac{1}{3}Ah$
Volume, V, of cylinder of radius r, height h.	$V = \pi r^2 h$
Volume, V, of cone of radius r, height h.	$V = \frac{1}{3}\pi r^2 h$
Volume, V, of sphere of radius r.	$V = \frac{4}{3}\pi r^3$
For the equation $ax^2 + bx + c = 0$, where $a \neq 0$,	$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

For the triangle shown,



$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$a^2 = b^2 + c^2 - 2bc\cos A$$

$$\text{Area} = \frac{1}{2}ab\sin C$$

© Cambridge University Press & Assessment 2026

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

https://xtremepape.rs/

Calculators must **not** be used in this paper.

1 The table shows the numbers of letters delivered to each of 90 houses one day.

number of letters	0	1	2	3	4	5	6
frequency	27	23	15	10	8	n	3

(a) Find the value of n.

$n =$ ..... [1]

(b) Find the range.

..... [1]

(c) Find the mode.

..... [1]

(d) Find the median.

..... [1]

(e) One of the 90 houses is selected at random.

Find the probability that the house had more than 4 letters delivered.

..... [1]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

https://xtremepape.rs/

2 Work out.

$$\frac{(-4)^2}{10-2}$$

..... [2]

3 Insert one pair of brackets to make this statement correct.

$$6 \times 8 + 3 + 4 \times 5 = 86$$

[1]

4 A is the point $(-3, 2)$ and B is the point $(4, -7)$.

Find the column vector $\overrightarrow{AB}$.

$\overrightarrow{AB} = \begin{pmatrix} \quad \\ \quad \end{pmatrix}$ [2]

DO NOT WRITE IN THIS MARGIN

https://xtremepape.rs/

5 Write the ratio 30 g : 6 kg in its simplest form.

..... : ..... [2]

6 Sami saves $60.
This is $\frac{2}{5}$ of Sami's total wages.

Find Sami's total wages.

$ ..... [2]

7 A 4-sided spinner is spun 200 times.
The results are shown in the table.

(a) Complete the table to show the relative frequencies.

number on spinner	1	2	3	4
frequency	60	50	46	44
relative frequency				

[1]

(b) The spinner is spun 1000 times.

Find the expected number of times the spinner shows 1.

..... [1]

DO NOT WRITE IN THIS MARGIN

https://xtremepape.rs/

8 The cost to hire a boat is \$2 per hour plus a fixed fee of \$7.
Mosna has \$15.
Mosna hires a boat for x hours.

Write down and solve an inequality for the number of hours that Mosna can hire a boat.

..... [3]

9 Solve.

(a) $2x - 3 = 6 - 4x$

$x =$ ..... [2]

(b) $(x+1)^2 = 9$

$x =$ ..... or $x =$ ..... [2]

DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

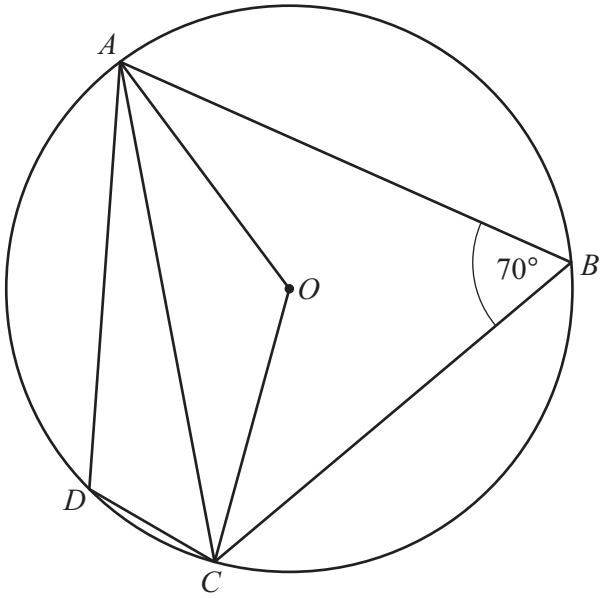
https://xtremepape.rs/

10 The interior angle of a regular polygon is 168°.

Find the number of sides of the polygon.

..... [2]

11



NOT TO SCALE

A, *B*, *C* and *D* are points on the circle, centre *O*.
Angle *ABC* = 70°.

Complete these statements giving geometrical reasons for your answers.

Angle *ADC* = ... because .....

.....

Angle *ACO* = ... because .....

.....

.....

.....

[6]

DO NOT WRITE IN THIS MARGIN

https://xtremepape.rs/

12 $P = 3.2 \times 10^{22}$ $Q = 4 \times 10^{21}$

(a) Calculate PQ.
Give your answer in standard form.

..... [2]

(b) Calculate $P + Q$.
Give your answer in standard form.

..... [2]

(c) $QR = 1.2 \times 10^{29}$

Find the value of R.
Give your answer in standard form.

$R =$ ..... [2]

13 Rearrange the formula to make x the subject.

$$y = \frac{ax + b}{x - c}$$

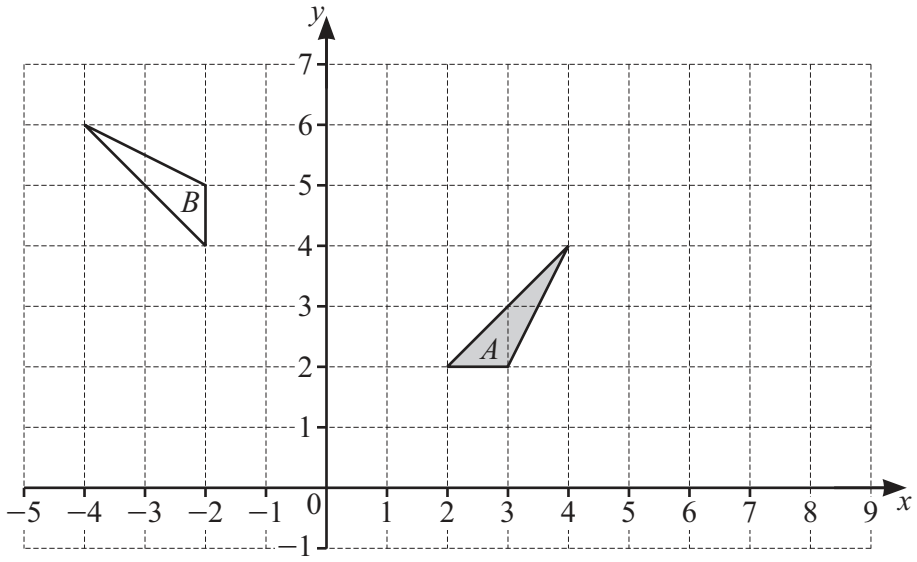
$x =$ ..... [4]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

https://xtremepape.rs/

14 The diagram shows triangle A and triangle B drawn on a square grid.



(a) Describe fully the **single** transformation that maps triangle A onto triangle B.

.....

..... [3]

(b) Enlarge triangle A with scale factor -2 and centre (4, 3). Label the image C. [2]

(c) Describe fully the **single** transformation that maps triangle C back onto triangle A.

.....

..... [3]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

https://xtremepape.rs/

15 Rationalise the denominator and simplify.

$$\frac{5}{4-2\sqrt{3}}$$

..... [3]

16 Simplify.

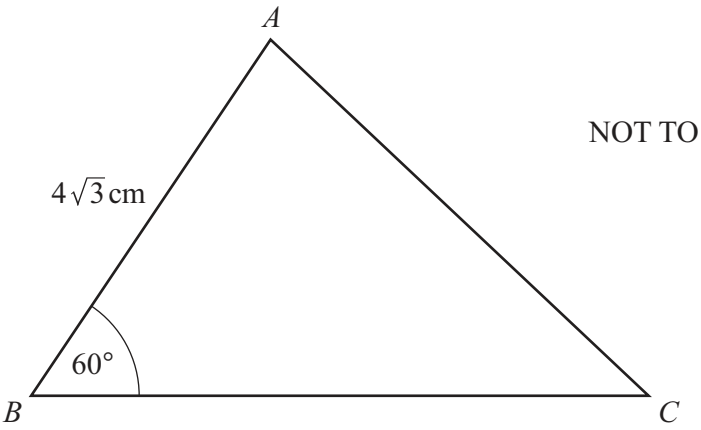
$$\frac{10x-2x^2}{x^2-25}$$

..... [3]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

https://xtremepape.rs/

17 The diagram shows triangle ABC.



NOT TO SCALE

The area of triangle ABC is $30\,\text{cm}^2$.

Find the length of BC.

$BC =$ ..... cm [3]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

https://xtremepape.rs/

18 $f(x) = 2x - 3$ $g(x) = x^2 + 1$

(a) Find $fg(2)$.

..... [2]

(b) Find $f^{-1}(x)$.

$f^{-1}(x) =$ ..... [2]

(c) Find $gf(x)$.
Give your answer in the form $ax^2 + bx + c$.

..... [3]

DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

https://xtremepape.rs/

(d) $\mathrm{h}(x) = px + q$

$\mathrm{fh}(x) = 8x - 1$

Find the value of p and the value of q.

$p =$ .....

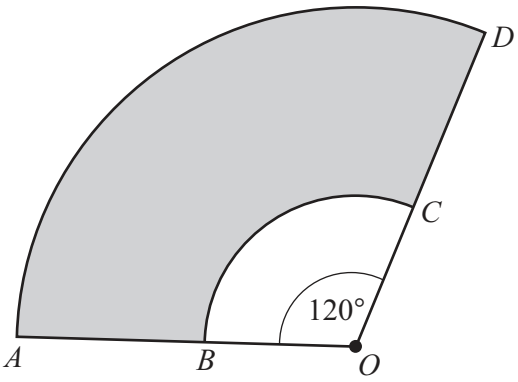
$q =$ .....

[3]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

https://xtremepape.rs/

19



NOT TO SCALE

OAD is a sector of a circle with centre *O* and sector angle 120°.
OBC is a sector of a circle with centre *O* and sector angle 120°.
ABO and *DCO* are straight lines.

$OA = 9\,\text{cm}$ and $OB = 3\,\text{cm}$.
The perimeter of the shaded region *ABCD* is $(a + b\pi)$ cm.

Find the value of *a* and the value of *b*.

$a =$ .....

$b =$ .....

[4]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

https://xtremepape.rs/

20 Solve by factorisation.

$$6x^2 - 13x - 5 = 0$$

$x =$ ..... or $x =$ ..... [3]

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

© Cambridge University Press & Assessment 2026

https://xtremepape.rs/

BLANK PAGE

DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN
DO NOT WRITE IN THIS MARGIN

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (Cambridge University Press & Assessment) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in our Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge International Education is the name of our awarding body and a part of Cambridge University Press & Assessment, which is a department of the University of Cambridge.

© Cambridge University Press & Assessment 2026

https://xtremepape.rs/