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CAMBRIDGE
International Education

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CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

5208534946

CAMBRIDGE INTERNATIONAL MATHEMATICS **0607/12**

Paper 1 Non-calculator (Core) **May/June 2026**

1 hour 15 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 60.
- The number of marks for each question or part question is shown in brackets [ ].

This document has **12** pages.

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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.	$V = \frac{4}{3}\pi r^3$

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

1 Tanya goes shopping.

(a) Complete the shopping bill.

item	cost ($)
2 kg of tomatoes at $2.40 for each kg	
4 peppers at 90 cents each	
3 kg of onions at ..... for each kg	4.50
Total	

[4]

(b) Calculate the change Tanya receives from $20.

$ ..... [1]

2 These are the test scores for each of 9 students.

9 4 6 8 9 8 9 7 3

(a) Write down the mode.

..... [1]

(b) Find the mean.

..... [2]

(c) Find the median.

..... [2]

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3 **(a)** Work out how many hours there are in 3 days.

..... hours [1]

(b) Write 6.50 p.m. as a 24-hour clock time.

..... [1]

(c) Ali leaves home at 1.35 p.m. for a dentist appointment.
He arrives 50 minutes later.
Ali arrives 10 minutes after his appointment time.

Work out his appointment time.

..... [2]

4 In a college, the probability that a student is right-handed is 0.8 .

(a) A student at the college is chosen at random.

Find the probability that this student is **not** right-handed.

..... [1]

(b) There are 200 students in the college.

Work out the expected number of right-handed students in the college.

..... [1]

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5 This is a sequence of patterns made with sticks.
All sticks are the same length.



pattern 1 pattern 2 pattern 3

(a) Draw pattern 4.

[1]

(b) Complete the table.

pattern number	1	2	3	4	...	8
number of sticks	4	7			...	

[2]

(c) The numbers of sticks form a sequence.

Find the nth term of this sequence.

..... [2]

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6 **(a)** A regular hexagon has side length x.

(i) Find a formula, in terms of x, for the perimeter, P, of a regular hexagon.

..... [2]

(ii) The perimeter of a regular hexagon is 72 cm.

Use your formula in **(a)(i)** to work out the side length of the hexagon.

..... cm [2]

(b) Work out the size of one interior angle of a regular hexagon.

..... [2]

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7 **(a)** Write $\frac{13}{20}$ as a percentage.

..... % [2]

(b) The price of a TV is \$420.
In a sale, the price is reduced by 5%.

Calculate the price of the TV in the sale.

\$ ..... [2]

8 **(a)** Solve.

$2x - 3 = 6$

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

(b) Solve the simultaneous equations.

$4x + 3y = 18$
$2x - 3y = 0$

$x =$ .....

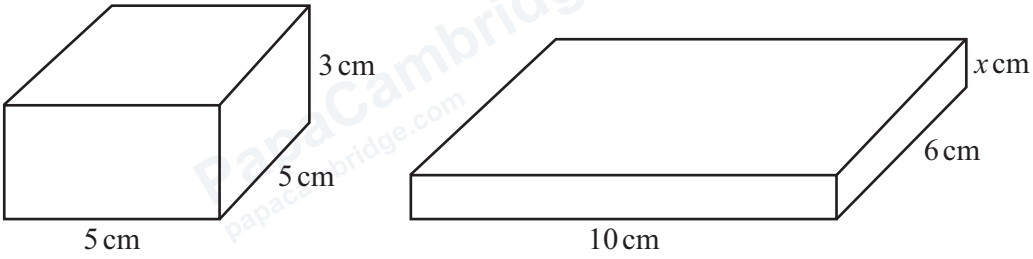
$y =$ .....
[3]

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9 These are two solid cuboids.

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The two cuboids have the same volume.

Work out the value of x.

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

10 $2^n = 64$

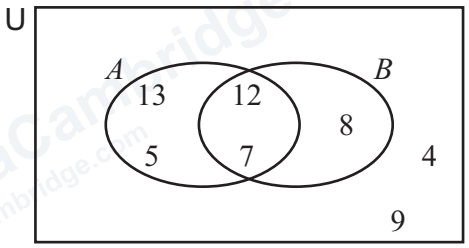
Find the value of n.

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

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11 **(a)** This is a Venn diagram.



Complete these statements.

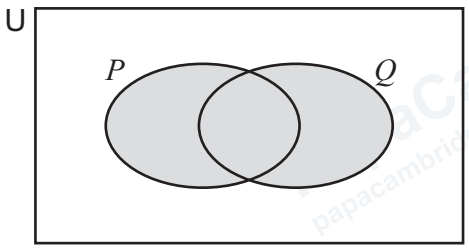
$\mathrm{U} = \{.....\}$

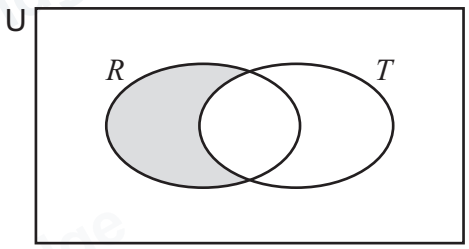
$A \cap B = \{.....\}$

$\mathrm{n}(A') = ...$

[3]

(b) Use set notation to describe each shaded region.

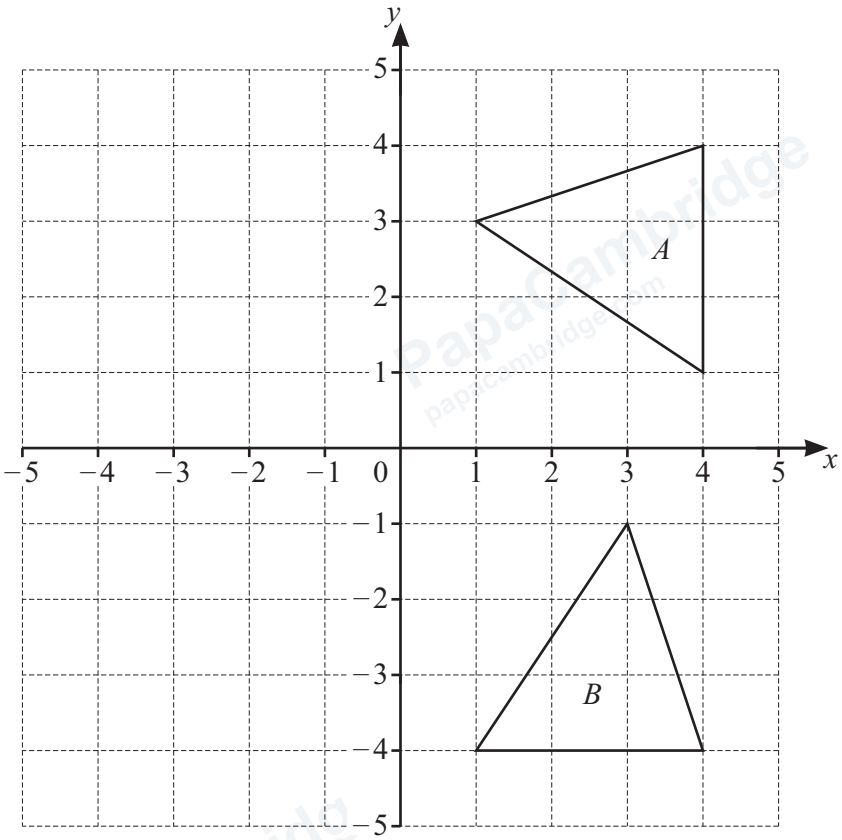




.... [2]

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(a) Translate triangle A by the vector $\begin{pmatrix} -5 \\ -1 \end{pmatrix}$. [2]

(b) Reflect triangle B in the y-axis. [1]

(c) Describe fully the **single** transformation which maps triangle A onto triangle B.

.....

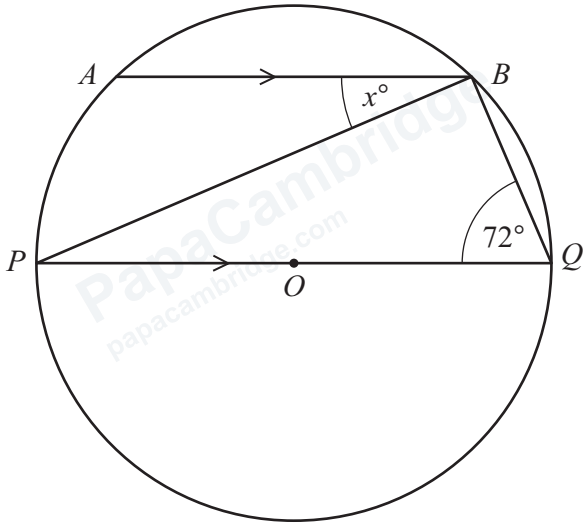
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In the diagram, A, B, P and Q are points on the circle, centre O.
AB is parallel to POQ.

Find the value of x.

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

14 **(a)** Write 0.000 035 in standard form.

..... [1]

(b) Work out 60×900.
Give your answer in standard form.

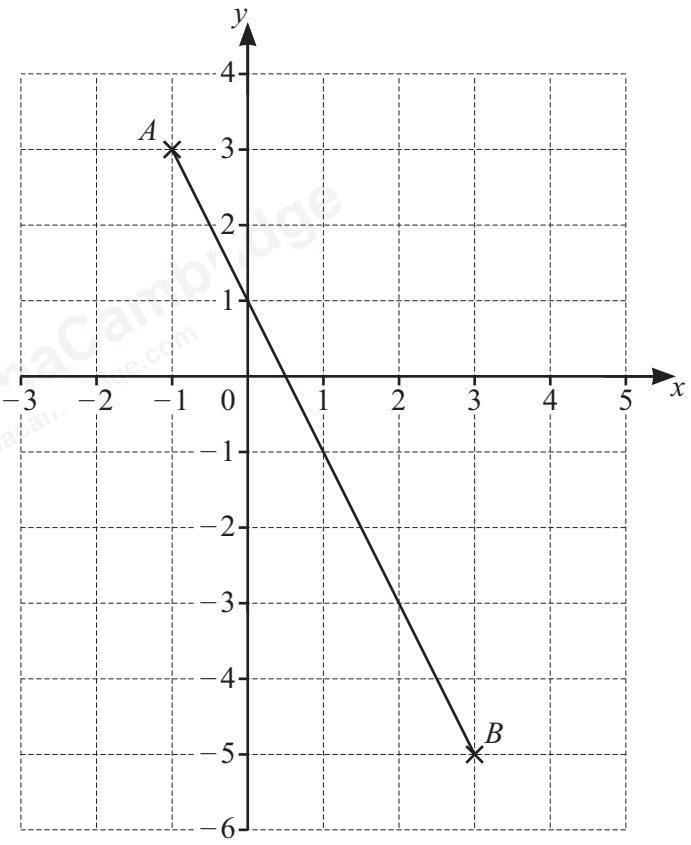
..... [2]

Question 15 is on the back page.

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15 The line AB is drawn on a square grid.



(a) Find the coordinates of the midpoint of the line AB.

(..... , ...) [1]

(b) Find the equation of the line AB.
Give your answer in the form $y = mx + c$.

$y =$ ..... [2]

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