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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.

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 .

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



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]

- 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]





- 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 n th term of this sequence.

..... [2]





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]



- 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.

$$4x + 3y = 18$$

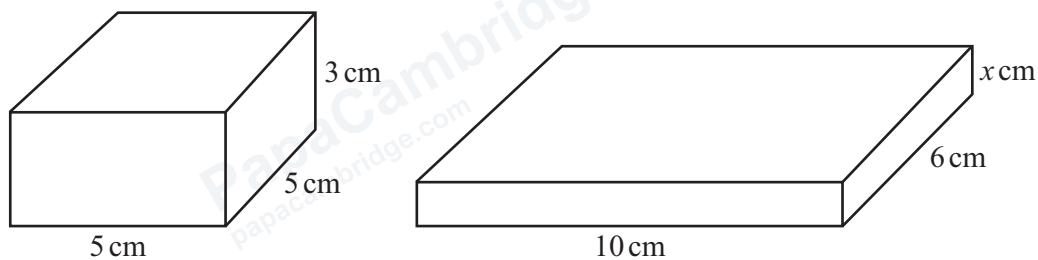
$$2x - 3y = 0$$

$x =$

$y =$

[3]

9 These are two solid cuboids.



The two cuboids have the same volume.

Work out the value of x .

$$x = \dots\dots\dots [3]$$

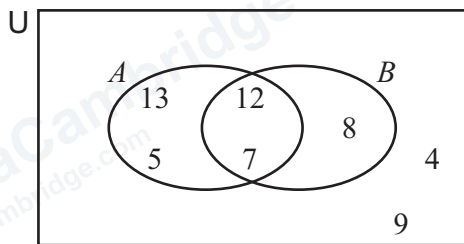
10 $2^n = 64$

Find the value of n .

$$n = \dots\dots\dots [1]$$



11 (a) This is a Venn diagram.



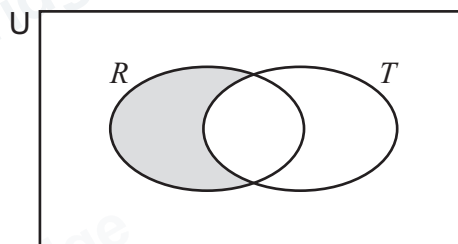
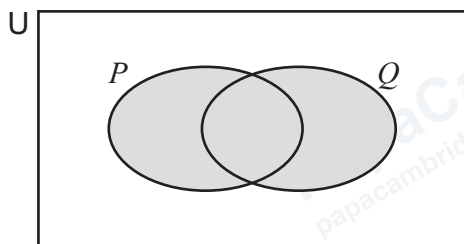
Complete these statements.

$$U = \{ \dots \}$$

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

$$n(A') = \dots [3]$$

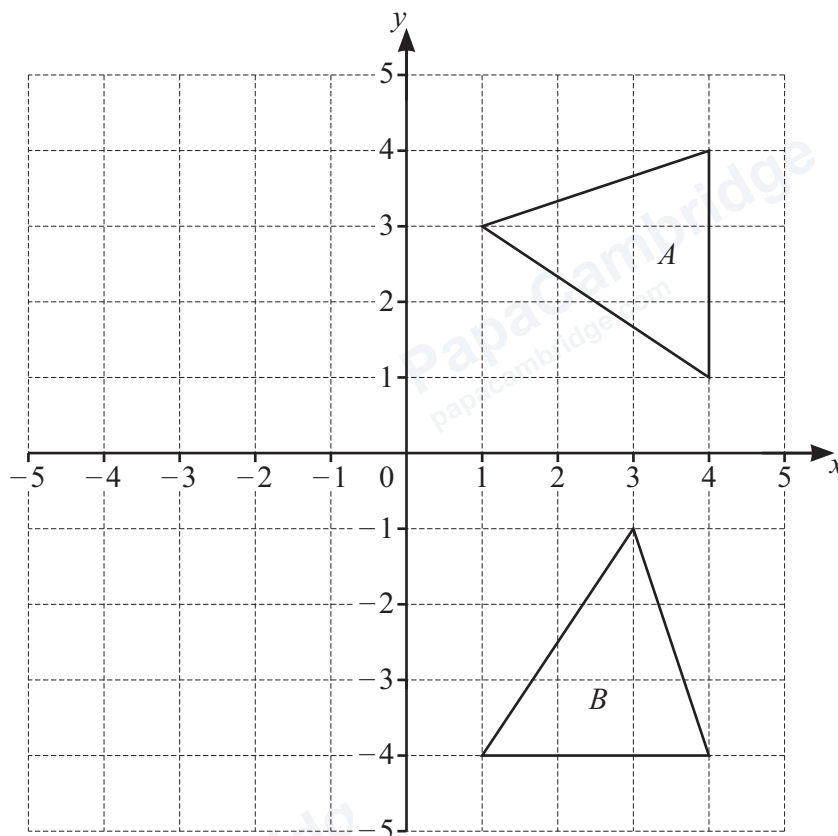
(b) Use set notation to describe each shaded region.



.....

.....

[2]



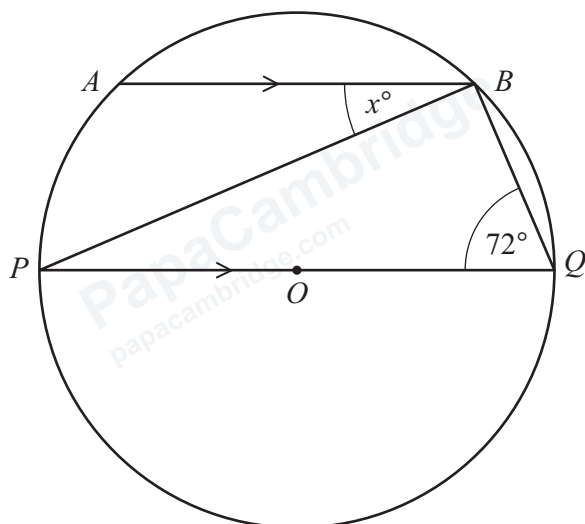
(a) Translate triangle A by the vector $\begin{pmatrix} -5 \\ -1 \end{pmatrix}$. [2]

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

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

..... [3]

13



NOT TO SCALE

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

Find the value of x .

$x = \dots\dots\dots$ [3]

14 (a) Write 0.000 035 in standard form.

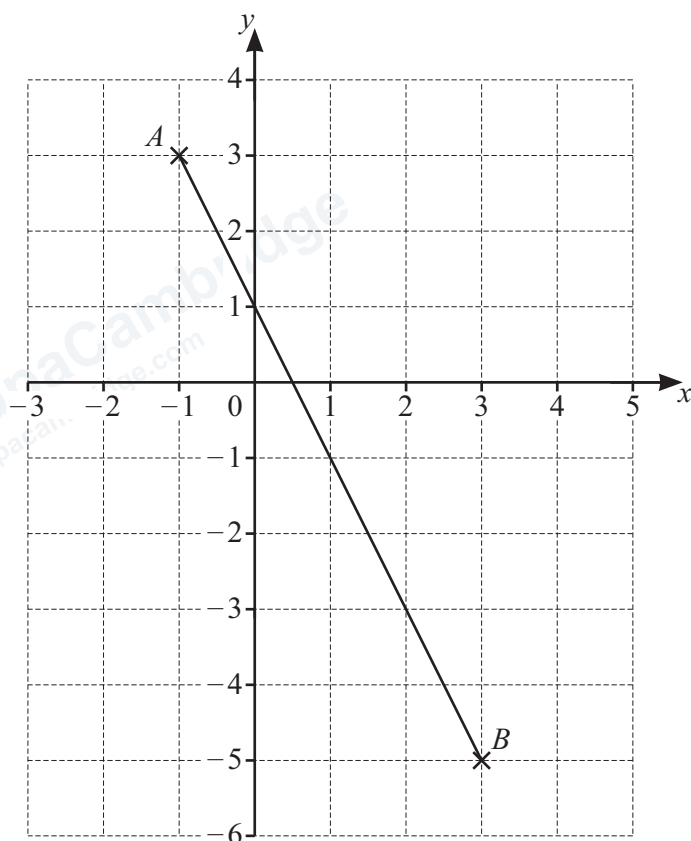
$\dots\dots\dots$ [1]

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

$\dots\dots\dots$ [2]

Question 15 is on the back page.

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 $y = mx + c$.

$y = \dots\dots\dots$ [2]

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