

IGCSE MATHS

0580/22

PAPER 2

October November-22

Full Solution

Cambridge IGCSE™

Candidate
name

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MATHEMATICS

Paper 2 (Extended)

0580/22

October/November 2022

1 hour 45 minutes

You must answer on the question paper.

For help, read: General Instructions

Solved

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 answers to each question in the spaces provided.
- Do not use an erasable pen or correction fluid.
- Do not write on any bar codes.
- Any rough work should be done on separate paper.

1. Solve the simultaneous equations by the method of elimination. Give your answers correct to 2 decimal places.

$$\begin{cases} 2x + 3y = 12 \\ 4x - y = 10 \end{cases}$$

2. The diagram shows three triangles, A, B and C.

3. The diagram shows a circle with centre O. A chord AB is drawn. A tangent line is drawn from a point P outside the circle to the circle at point Q. The line segment PQ is perpendicular to the radius OQ. The angle POQ is 60°. Find the angle AQB.

4. The table shows information about different species.

| Species | Number of species | Area |
|-----------|-------------------|------|
| Species A | 10 | 100 |
| Species B | 20 | 400 |

Species A

$$\begin{aligned} 10 & \times 10 = 100 \\ 20 & \times 20 = 400 \end{aligned}$$

Species B

$$\begin{aligned} 10 & \times 10 = 100 \\ 20 & \times 20 = 400 \\ 30 & \times 30 = 900 \\ 40 & \times 40 = 1600 \\ 50 & \times 50 = 2500 \end{aligned}$$

October November 2chemistry Paper 30620

F Rizvi



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