

Write your name here

Surname	Other names
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**Pearson Edexcel**                      Centre Number                      Candidate Number

**International GCSE**

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# Further Pure Mathematics

## Paper 2

Friday 23 May 2014 – Afternoon <b>Time: 2 hours</b>	Paper Reference <b>4PM0/02</b>
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<b>Calculators may be used.</b>	Total Marks
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**Instructions**

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Without sufficient working, correct answers may be awarded no marks.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*

**Information**

- The total mark for this paper is 100.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

**Advice**

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

*Turn over* ►

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Answer all ELEVEN questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

1

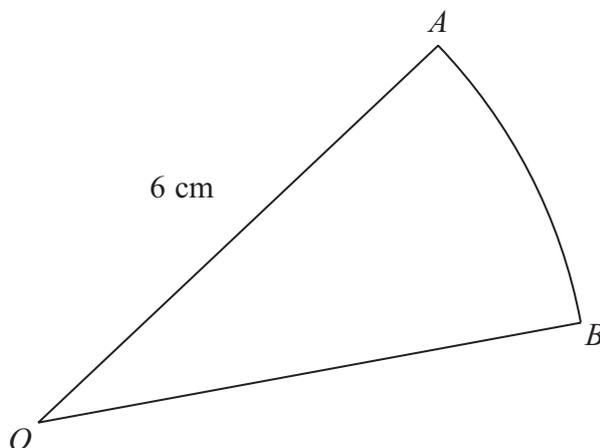


Diagram NOT accurately drawn

Figure 1

Figure 1 shows the sector  $OAB$  of a circle. The circle has centre  $O$  and radius 6 cm. The area of the sector is  $12 \text{ cm}^2$ .

- (a) Find, in radians, the size of angle  $AOB$ . (2)
  
- (b) Find, in cm, the length of the arc  $AB$ . (2)

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**Question 6 continued**

A series of horizontal dotted lines for writing the answer to Question 6.



**Question 6 continued**

A large rectangular area containing 25 horizontal dotted lines for writing the answer to Question 6.





**Question 7 continued**

A large rectangular area containing 25 horizontal dotted lines for writing answers.



















**Question 9 continued**

A large rectangular area containing 25 horizontal dotted lines for writing the answer to Question 9.







**Question 10 continued**

A series of horizontal dotted lines for writing the answer to Question 10.







