

Write your name here

Surname	Other names
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Edexcel Centre Number

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 Candidate Number

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International GCSE

Further Pure Mathematics

Paper 2

Friday 24 May 2013 – Afternoon Time: 2 hours	Paper Reference 4PM0/02
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Calculators may be used.	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 TEN questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

1

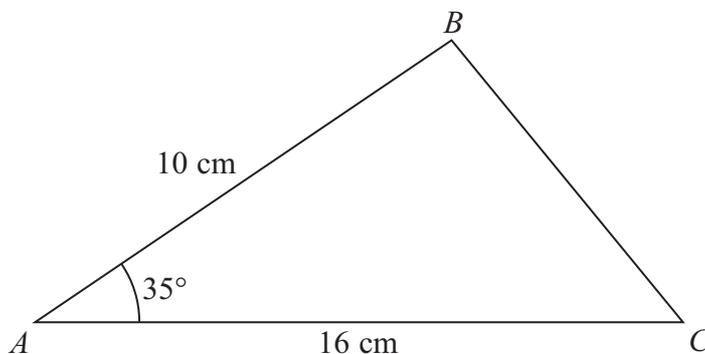


Diagram **NOT** accurately drawn

Figure 1

In triangle ABC , $AB = 10$ cm, $AC = 16$ cm and $\angle BAC = 35^\circ$, as shown in Figure 1.

- (a) Find, to 3 significant figures, the area of the triangle ABC . (2)

- (b) Find, in degrees to the nearest 0.1° , the size of the angle ABC . (5)

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Question 4 continued

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

(Total for Question 4 is 8 marks)

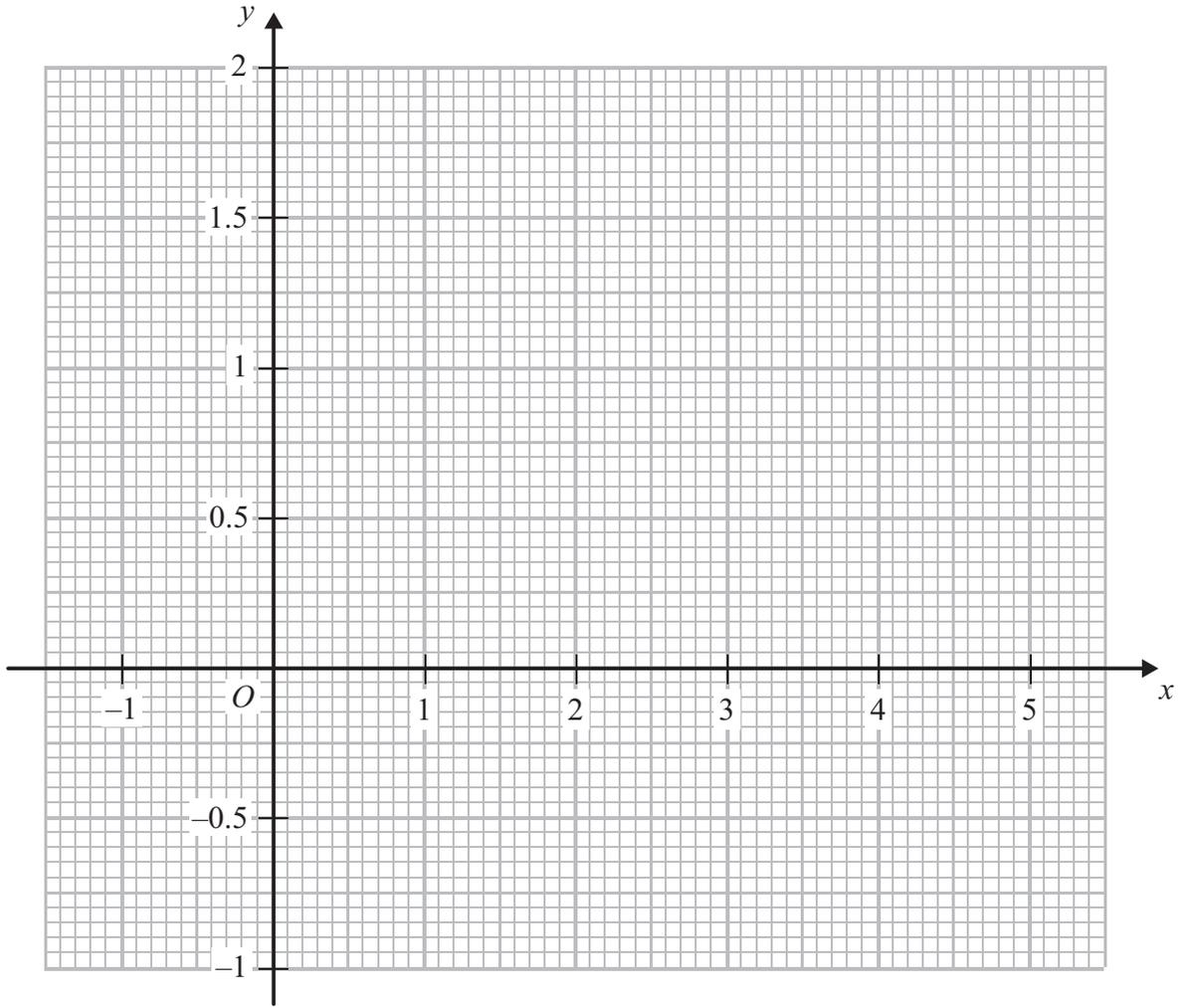


Question 5 continued

A large rectangular area with rounded corners, containing 25 horizontal dotted lines for writing.



Question 7 continued



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Turn over for a spare grid if you need to redraw your graph.

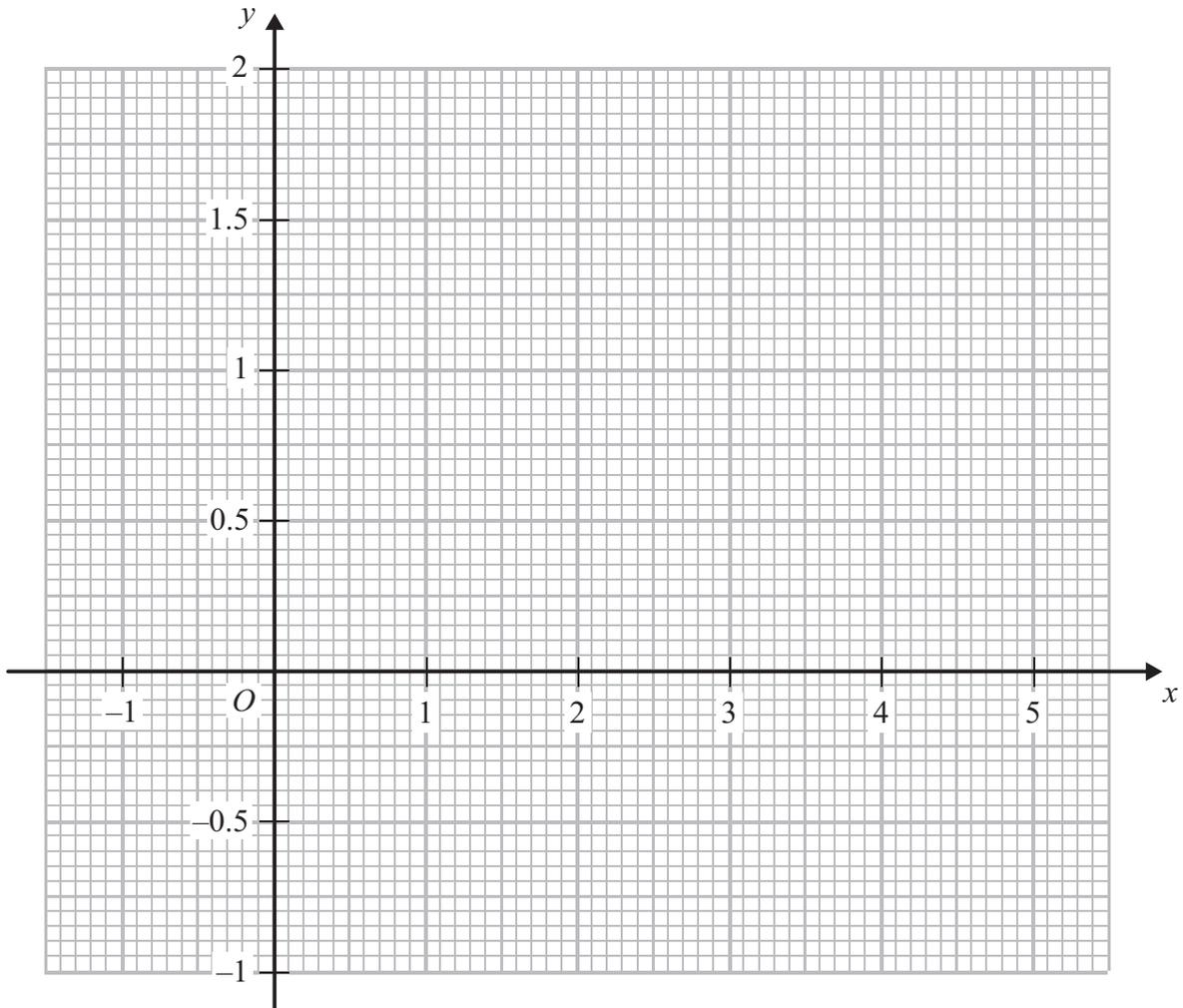


Question 7 continued

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

Question 7 continued

Only use this grid if you need to redraw your graph.



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(Total for Question 7 is 10 marks)



Question 8 continued

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



Question 8 continued

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

Question 9 continued

A large rectangular area with rounded corners, containing 25 horizontal dotted lines for writing.



Question 9 continued

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

Question 10 continued

A large rectangular area containing 25 horizontal dotted lines for writing the answer to Question 10.



