| Write your name here | | |
|--|--|-----------------------------|
| Surname | Other | r names |
| In the style of: Pearson Edexcel GCSE | Centre Number | Candidate Number |
| Mathem | atics | |
| Trigonome | etry | Higher Tier |
| GCSE style question | ns arranged by topic | Paper Reference |
| You must have: Ruler grad protractor, pair of compas | duated in centimetres and ses, pen, HB pencil, eraser, o | millimetres, calculator. |

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.
- Answer the questions in the spaces provided there may be more space than you need.
- Calculators may be used.
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out**.

Information

- The total mark for this paper is 80
- 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.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.











Diagram **NOT** accurately drawn



PQR is a right-angled triangle.

QR = 3 cmPR = 10 cm

3

Work out the size of angle *RPQ*. Give your answer correct to 3 significant figures.

(Total for Question 3 is 3 marks)

0











Diagram **NOT** accurately drawn

ABC is a right-angled triangle. AC = 18 m. Angle $CAB = 58^{\circ}$

6

Calculate the length of *AB*. Give your answer correct to 3 significant figures.

..... m

(Total for Question 6 is 3 marks)





Diagram **NOT** accurately drawn

ABC is a triangle. AB = 8 cm BC = 15 cmAngle $ABC = 112^{\circ}$

7

Calculate the area of the triangle. Give your answer correct to 3 significant figures.

..... cm²

(Total for Question 7 is 3 marks)











ABC is a triangle. AB = 11 m. AC = 9 m.BC = 15 m.

Calculate the size of angle *BAC*. Give your answer correct to one decimal place.

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(Total for Question 10 is 3 marks)



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