

Name: _____

GCSE (1 – 9)

Finding the Area of Any Triangle

Instructions

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

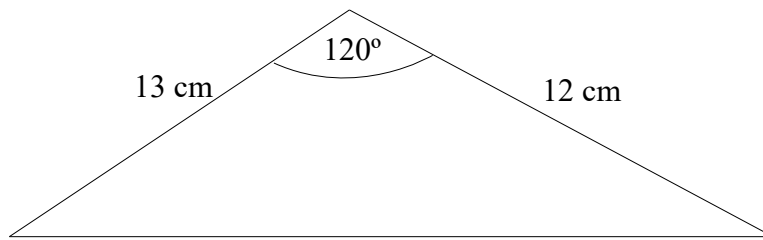
Information

- 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

1

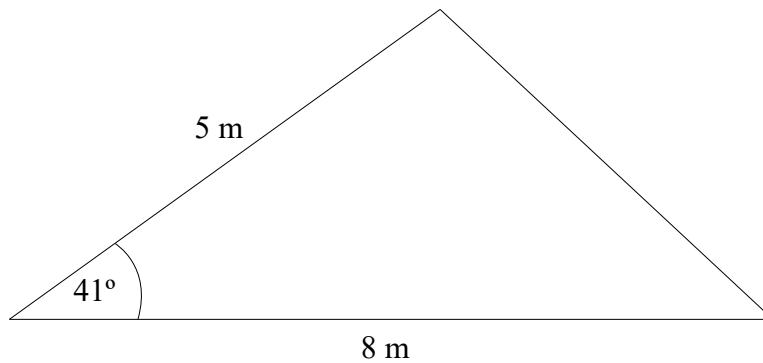


Work out the area of the triangle.
Give your answer to 1 decimal place.

.....cm²

(Total for question 1 is 2 marks)

2

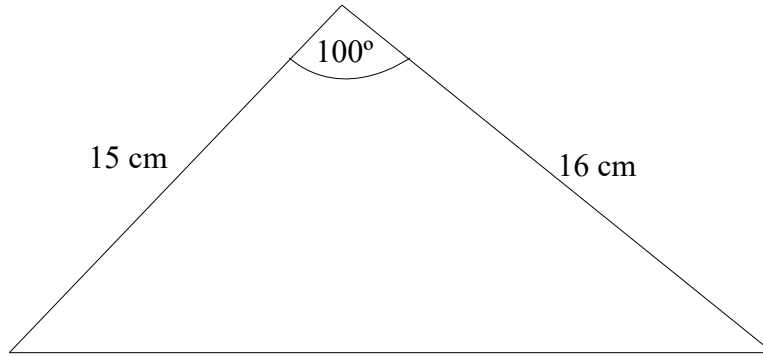


Work out the area of the triangle.
Give your answer to 3 significant figures.

.....m²

(Total for question 2 is 2 marks)

3

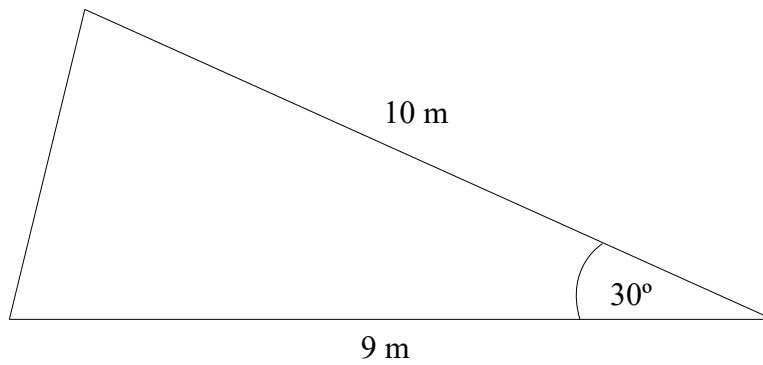


Work out the area of the triangle.
Give your answer to 3 significant figures.

.....cm²

(Total for question 3 is 2 marks)

4

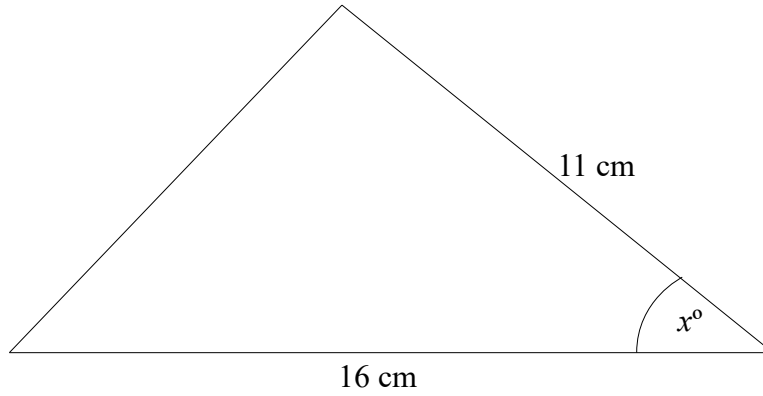


Work out the area of the triangle.

.....m²

(Total for question 4 is 2 marks)

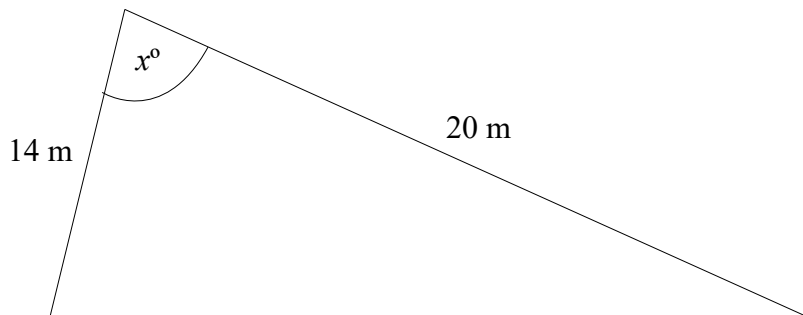
5



The area of the triangle is 70cm^2
Work out the value of x .
Give your answer to 1 decimal place.

.....
(Total for question 5 is 3 marks)

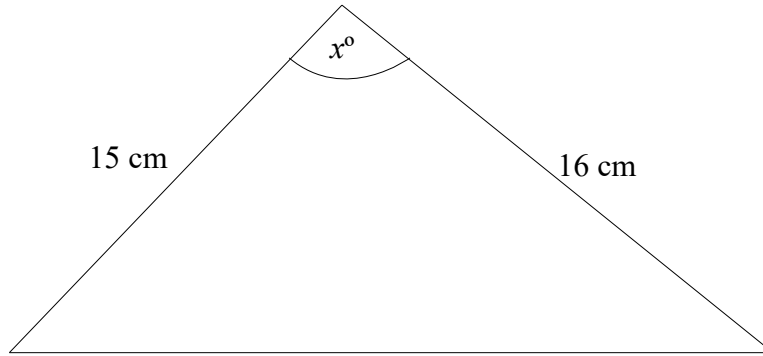
6



The area of the triangle is 100m^2
Work out the value of x .
Give your answer to 3 significant figures.

.....
(Total for question 6 is 3 marks)

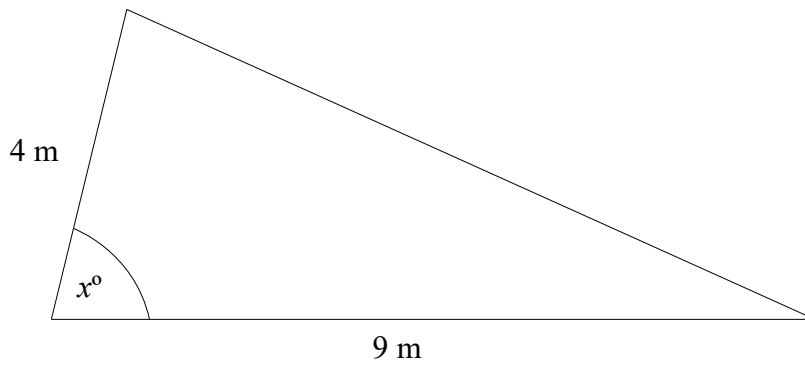
7



The area of the triangle is 105cm^2
Work out the value of x .
Give your answer to 1 decimal place.

.....
(Total for question 7 is 4 marks)

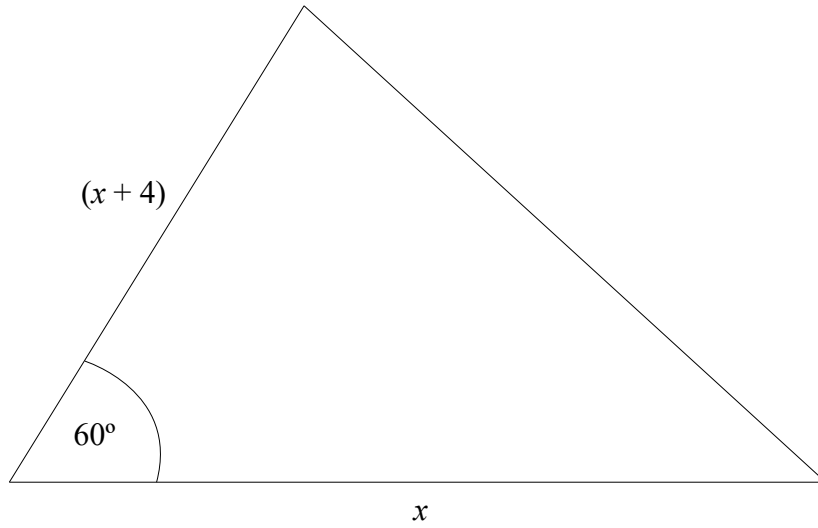
8



The area of the triangle is 15m^2
Work out the value of x .
Give your answer to 3 significant figures.

.....
(Total for question 8 is 4 marks)

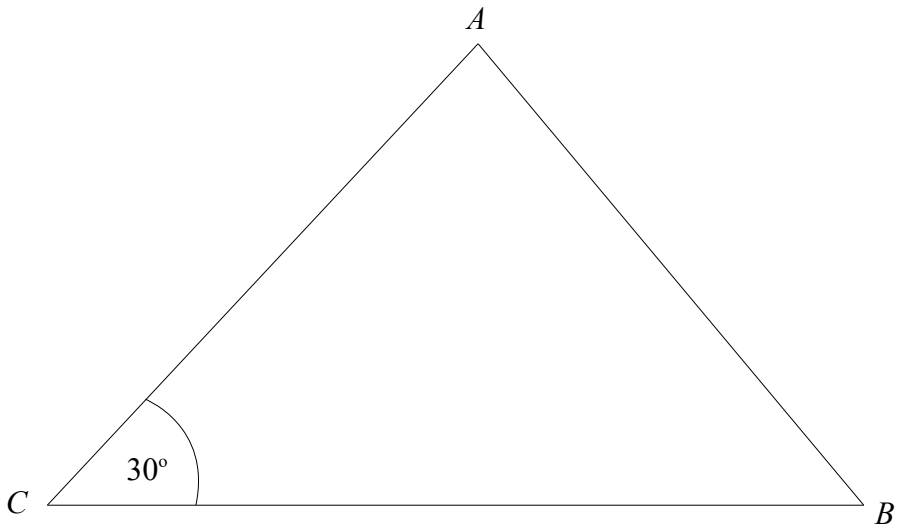
9



The area of the triangle is $15\sqrt{3}$ cm².
Work out the value of x .

.....
(Total for question 9 is 4 marks)

10



The ratio of the length BC to the length AC is $2:1$

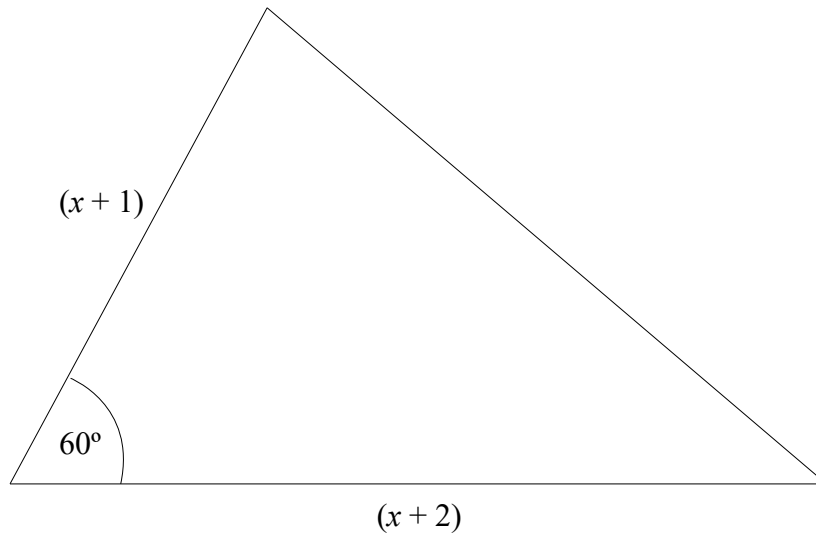
The area of the triangle is 50cm^2

Work out the value of x .

.....

(Total for question 10 is 4 marks)

11



The area of the triangle is 25 cm^2 .
Work out the value of x .
Give your answer to 3 significant figures.

.....

(Total for question 11 is 5 marks)