

Name: _____

ASM Tuition Academy
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 you're working out**.

Information:

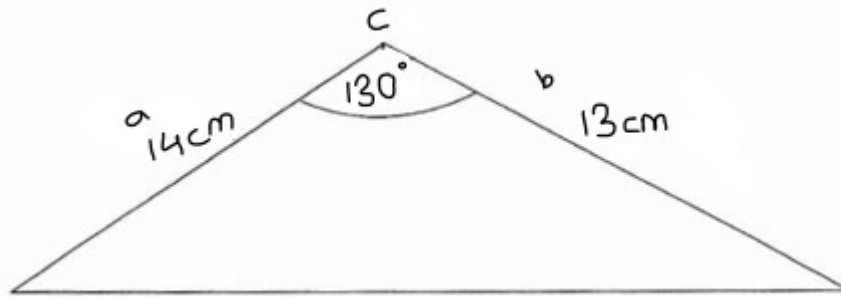
- The marks for each question are shown in brackets
- use this as a guide as to how much time to spend on each question.

Advice:

- Read each question carefully before you start to answer it.
- Keep an eye on time.
- Try to answer every question.
- Check your answers if you have time at the end.

Q1- Work out the area of the triangle.

Give your answer to 1 decimal place

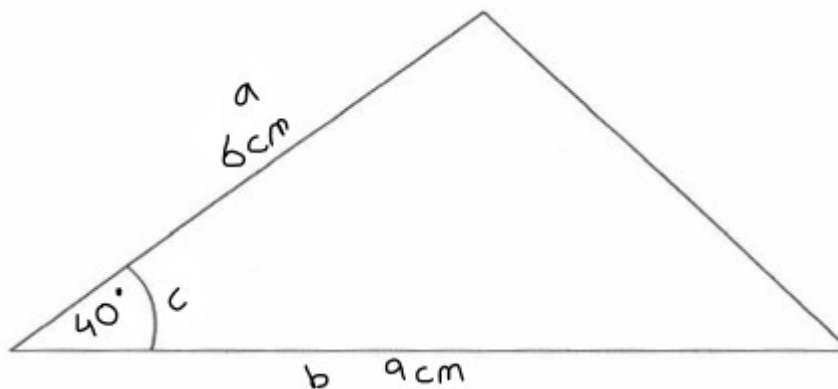


..... cm^2

(Total for Question 1 is 2 marks)

Q2- Work out the area of the triangle.

Give your answer to 3 significant figures

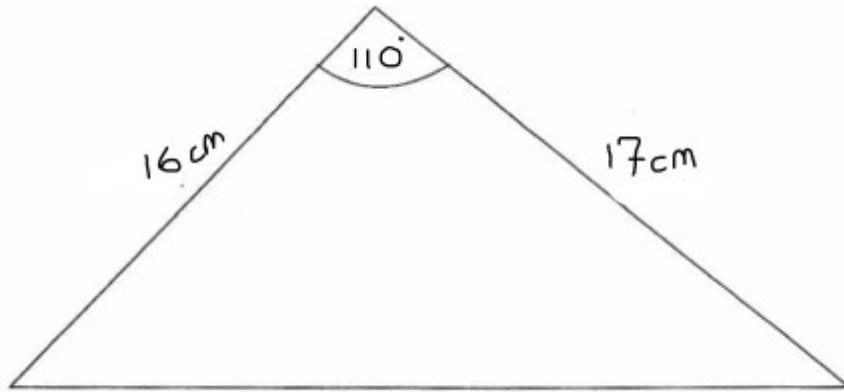


..... m^2

(Total for Question 2 is 2 marks)

Q3- Work out the area of the triangle.

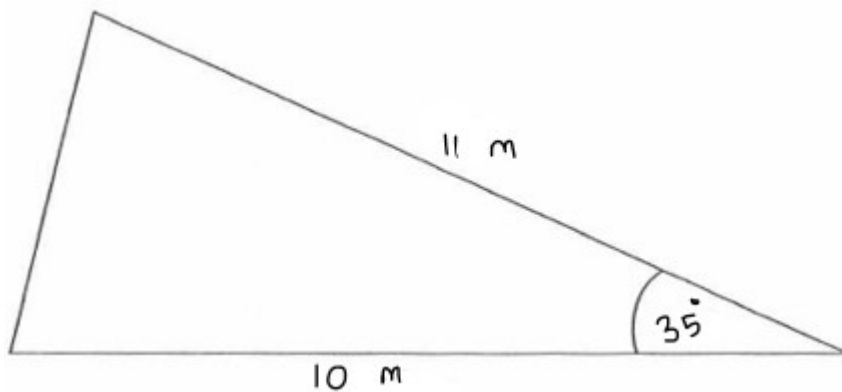
Give your answer to 3 significant figures



..... cm^2

(Total for Question 3 is 2 marks)

Q4- Work out the area of the triangle.



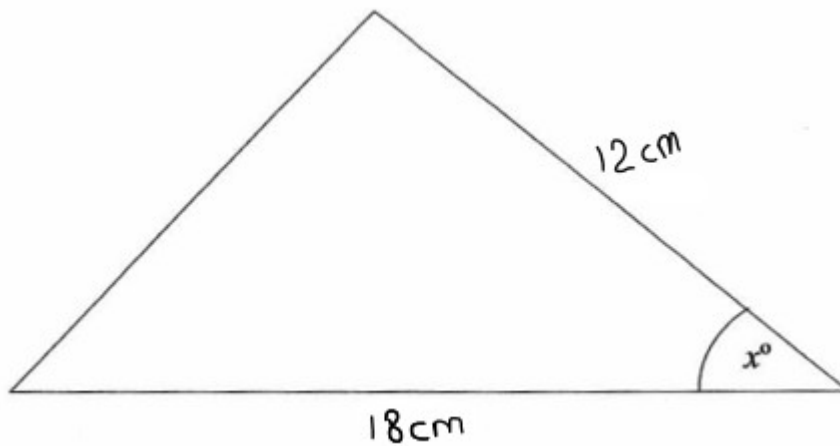
..... m^2

(Total for Question 4 is 2 marks)

Q5- The area of the triangle is 80cm^2 .

Work out the value of x .

Give your answer to 1 decimal place.

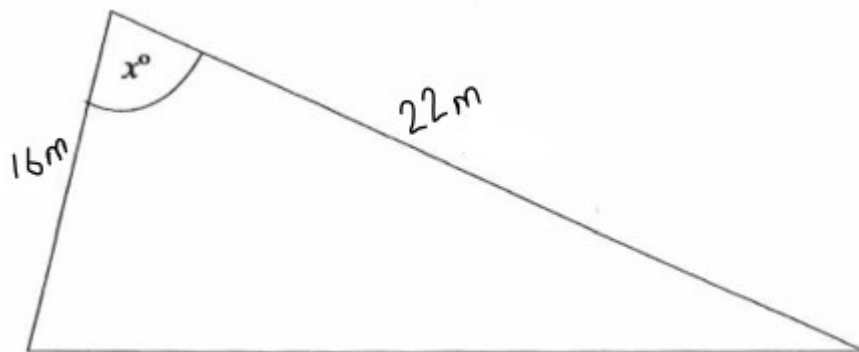


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(Total for Question 5 is 3 marks)

Q6- The area of the triangle is 120m^2 .

Work out the value of x .

Give your answer to 3 significant figures

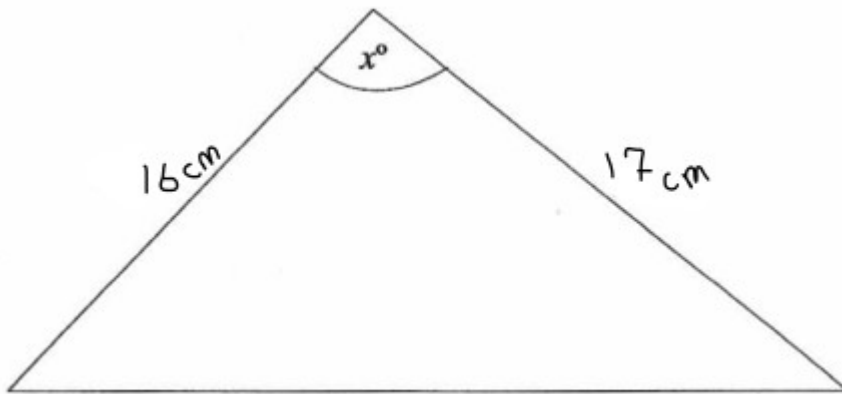


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(Total for Question 6 is 3 marks)

Q7- The area of the triangle is 106cm^2 .

Work out the value of x .

Give your answer to 1 decimal place



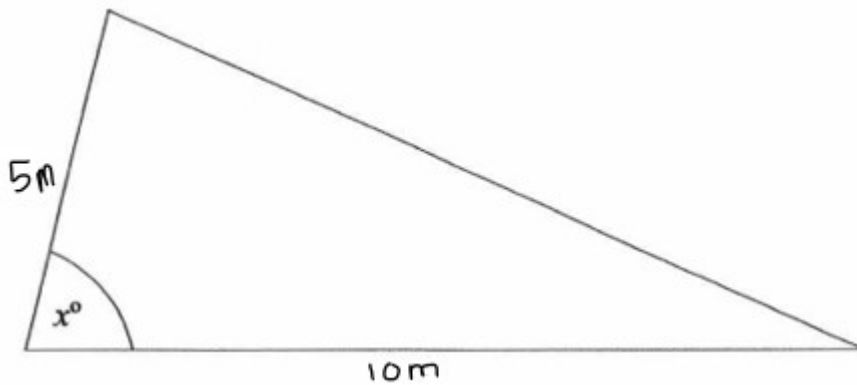
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(Total for Question 7 is 4 marks)

Q8- The area of the triangle is 20 m^2 .

Work out the value of x .

Give your answer to 3 significant figures

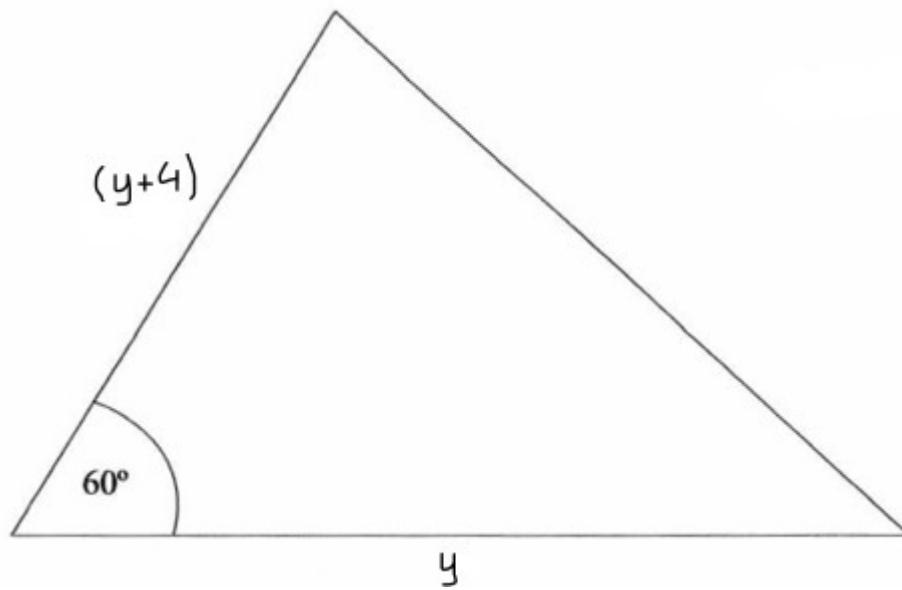


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(Total for Question 8 is 4 marks)

Q9- The area of the triangle is $8\sqrt{3}\text{ cm}^2$.

Work out the value of x .

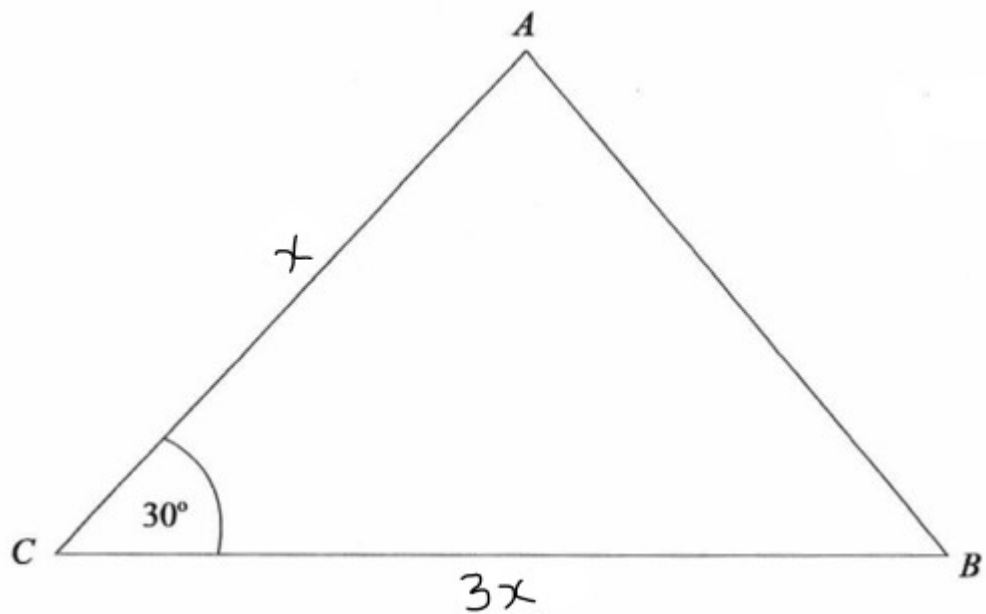


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(Total for Question 9 is 4 marks)

Q10- The ratio of the length BC to the length AC is 3:1.

The area of the triangle is 60cm^2 .

Work out the value of x



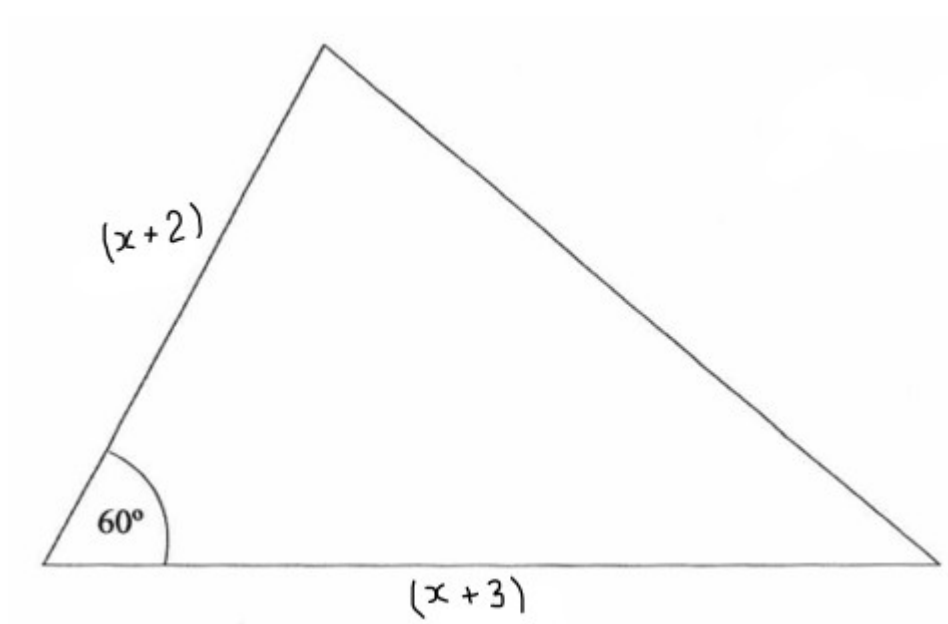
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(Total for Question 10 is 4 marks)

Q11- The area of the triangle is 50 cm^2 .

Work out the value of x .

Give your answer to 3 significant figures



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(Total for Question 11 is 5 marks)