



Trigonometry SOHCAHTOA



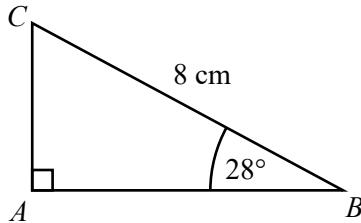
SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

1 ABC is a right-angled triangle.

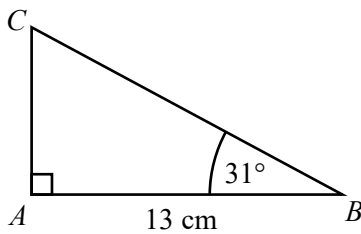


Calculate the length of AB .
Give your answer correct to 3 significant figures.

..... cm

(Total for Question 1 is 2 marks)

2 ABC is a right-angled triangle.



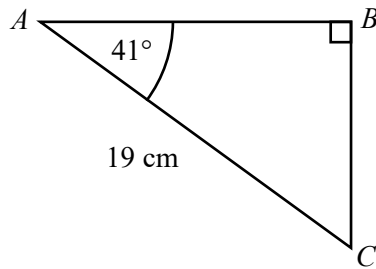
Calculate the length of AC .
Give your answer correct to 3 significant figures.

..... cm

(Total for Question 2 is 2 marks)



3 ABC is a right-angled triangle.

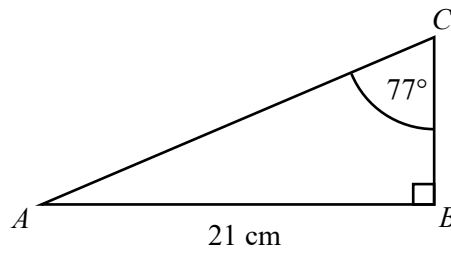


Calculate the length of BC .
Give your answer correct to 3 significant figures.

..... cm

(Total for Question 3 is 2 marks)

4 ABC is a right-angled triangle.



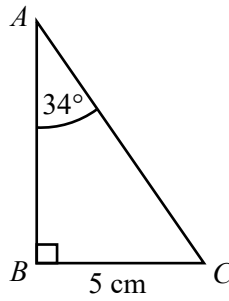
Calculate the length of AC .
Give your answer correct to 3 significant figures.

..... cm

(Total for Question 4 is 2 marks)



5 ABC is a right-angled triangle.

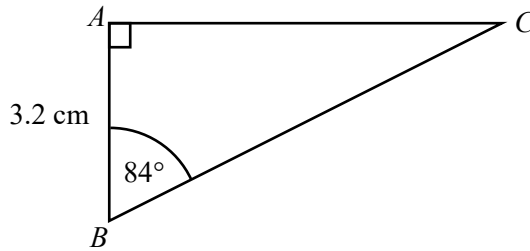


Calculate the length of AB .
Give your answer correct to 3 significant figures.

..... cm

(Total for Question 5 is 2 marks)

6 ABC is a right-angled triangle.



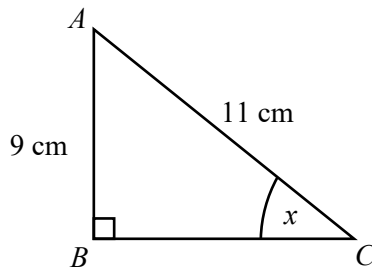
Calculate the length of BC .
Give your answer correct to 3 significant figures.

..... cm

(Total for Question 6 is 2 marks)



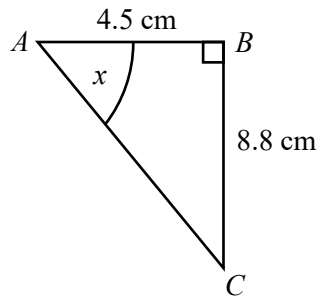
7 ABC is a right-angled triangle.



Work out the size of the angle marked x .
Give your answer correct to 1 decimal place.

.....
(Total for Question 7 is 2 marks)

8 ABC is a right-angled triangle.

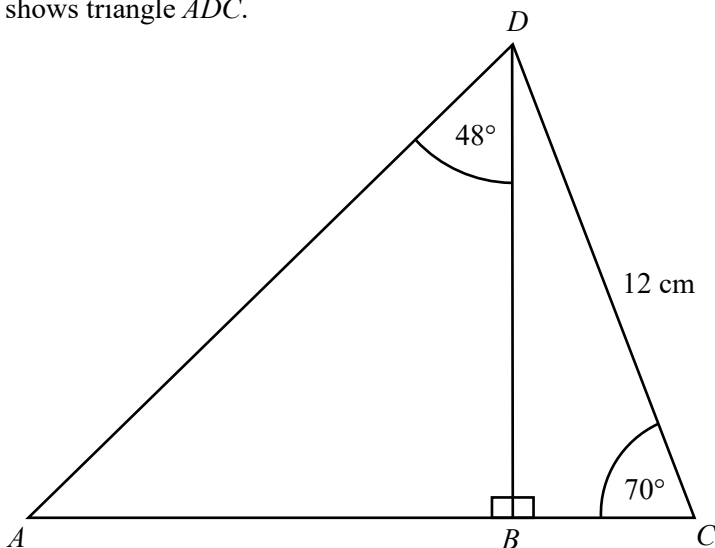


Work out the size of the angle marked x .
Give your answer correct to 1 decimal place.

.....
(Total for Question 8 is 2 marks)



9 The diagram shows triangle ADC .



ABC is a straight line.

Work out the length of AC .

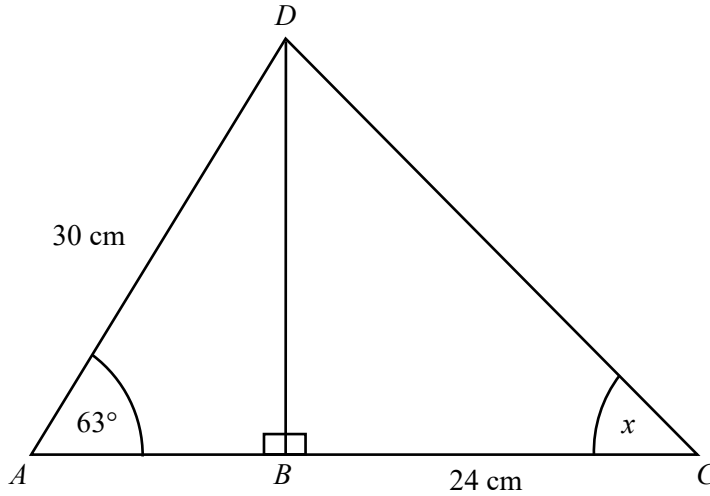
Give your answer correct to 3 significant figures.

..... cm

(Total for Question 9 is 6 marks)



10 The diagram shows triangle ADC .

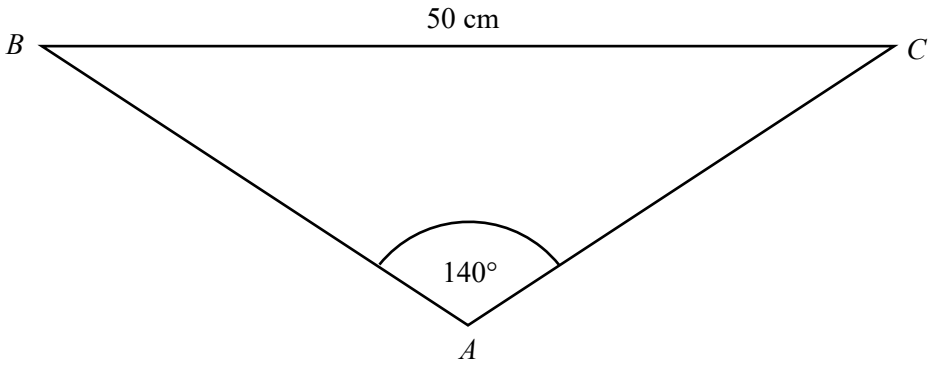


ABC is a straight line.

Work out the size of the angle marked x .
Give your answer correct to 1 decimal place.



11 The diagram shows triangle ABC .



$AB = AC$

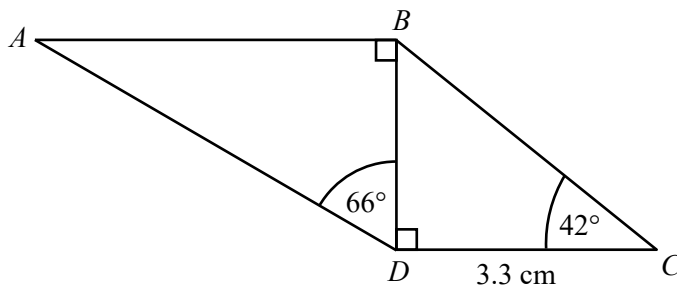
Work out the perimeter of triangle ABC .
Give your answer correct to 1 decimal place.

..... cm

(Total for Question 11 is 4 marks)



12 The diagram shows trapezium $ABCD$.



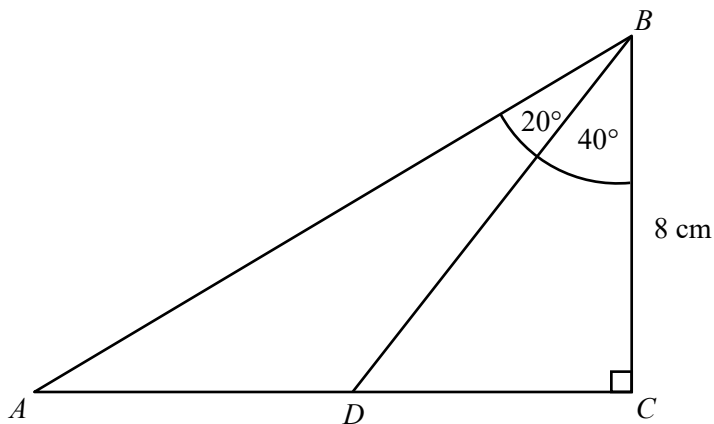
Work out the length of AD .
Give your answer correct to 3 significant figures.

..... cm

(Total for Question 12 is 4 marks)



13 The diagram shows triangle ABC .



ADC is a straight line.

Work out the length of AD .

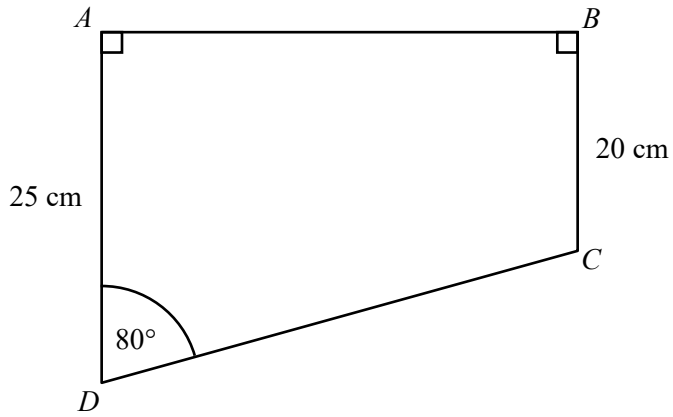
Give your answer correct to 3 significant figures.

..... cm

(Total for Question 13 is 4 marks)



14 The diagram shows trapezium $ABCD$.

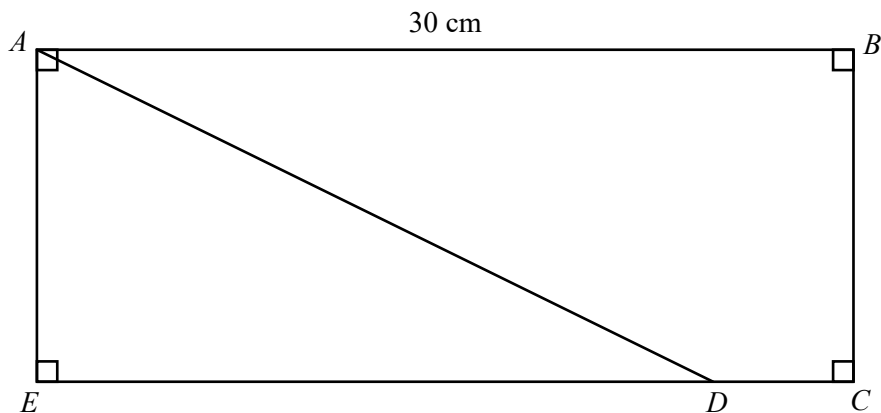


Work out the area of trapezium $ABCD$.
Give your answer correct to 3 significant figures.

..... cm²
(Total for Question 14 is 4 marks)



15 The diagram shows rectangle $ABCE$.



The perimeter of rectangle $ABCE$ is 80 cm

$$ED : DC = 4 : 1$$

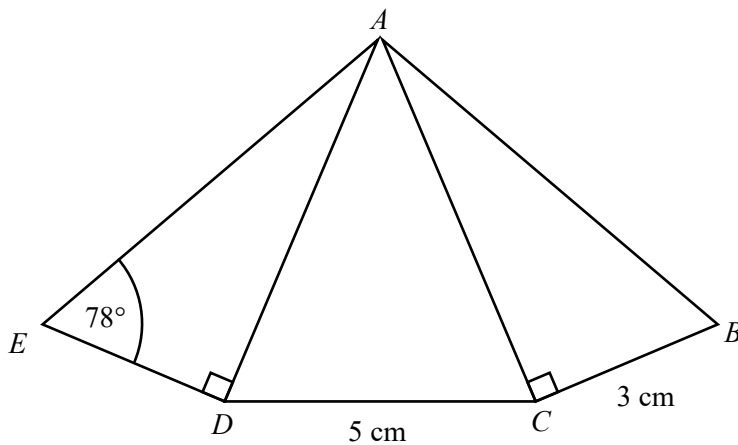
Work out the size of angle ADE .

Give your answer correct to 1 decimal place.

.....
(Total for Question 15 is 4 marks)



16 $ABCDE$ is a pentagon formed from three triangles.



Triangles ABC and ADE are congruent.

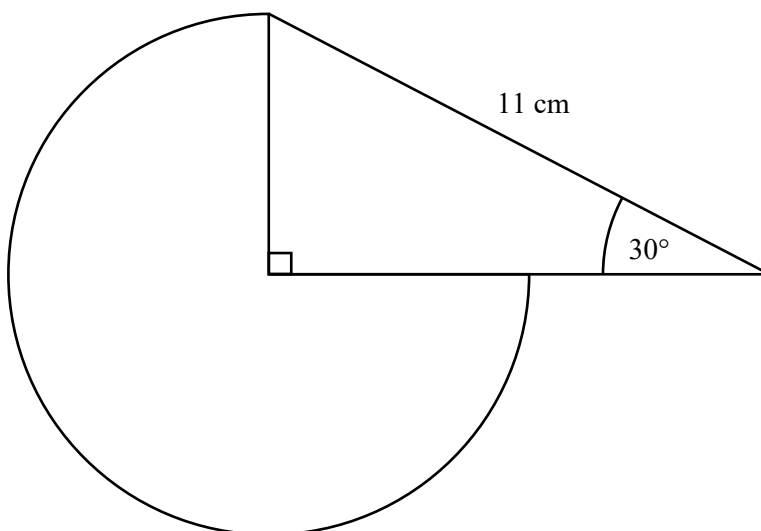
Work out the size of angle DAC .

Give your answer correct to 1 decimal place.

.....
(Total for Question 16 is 4 marks)



17 A logo is made from a sector and a triangle.



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

..... cm²
(Total for Question 17 is 4 marks)

