

Trigonometry SOHCAHTOA



REVISE THIS TOPIC

CHECK YOUR ANSWERS

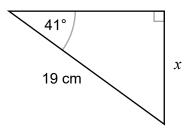


	8 cm 28°	Not drawn accurately	[3 marks
	Answer	cm	
	x 31° 13 cm	Not drawn accurately	[3 marks
st			

6

cm

3	Use trigonometry to work out the value of x .
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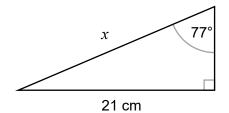


Not drawn accurately

[3 marks]

Answer cm

4 Use trigonometry to work out the value of *x*.



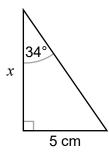
Not drawn accurately

[3 marks]

Answer _____ cm



5	Use trigonometry to work out the value of x .
	g ,

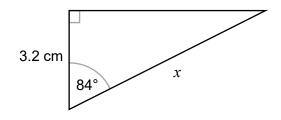


Not drawn accurately

[3 marks]

Answer cm

6 Use trigonometry to work out the value of x.



Not drawn accurately

[3 marks]

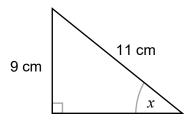
Answer_____cm

12

Turn over ▶



7 Use trigonometry to work out the size of angle x.

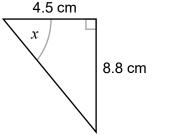


Not drawn accurately

[3 marks]

Answer_____

8 Use trigonometry to work out the size of angle *x*.

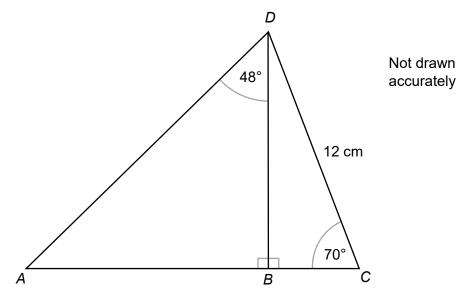


Not drawn accurately

[3 marks]

Work out the length of AC.

9



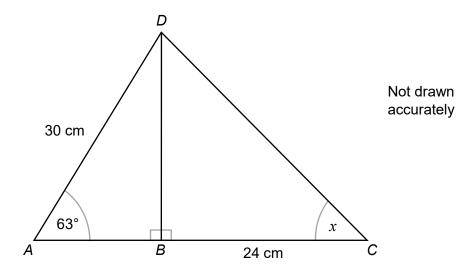
[6 marks]

Answer_____cm

<u>12</u>

Turn over ►

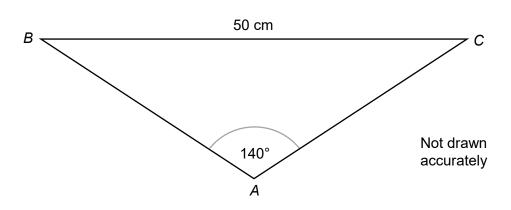




vork out the size of angle x .	Į4 mar
	0
Answer	



Solutions



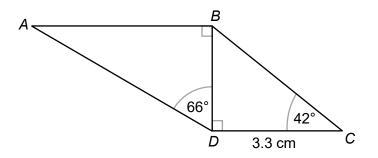
AB = AC

Work out the perimeter of triangle <i>ABC</i> .	[4 marks]

Answer cm

Turn over ▶





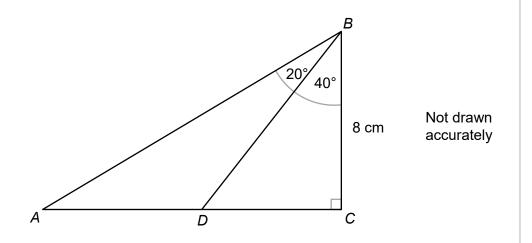
Not drawn accurately

Work out the length of AD.	[4 marks]



cm

13



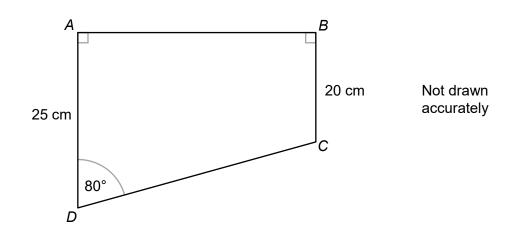
Work out the length of AD.	[4 marks]

Answer.

Turn over ▶



cm



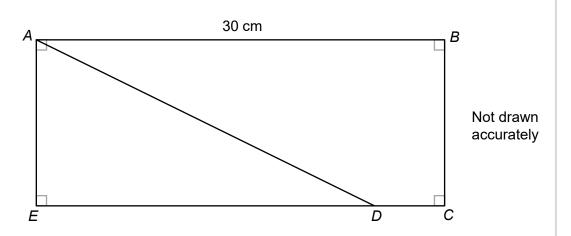
Work out the area of trapezium ABCD.	[4 marks]



 cm^2

Solutions





The perimeter of rectangle ABCE is 80 cm

ED : *DC* = 4 : 1

Work out the size of angle ADE.

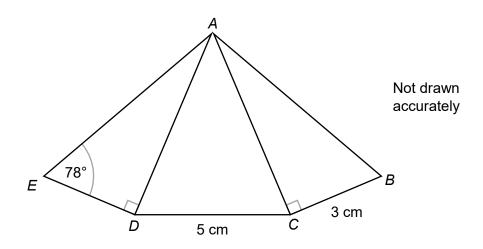
Answer_

[4 marks]



Turn over ▶





ABCDE is a pentagon formed from three triangles. Triangles ABC and ADE are congruent.

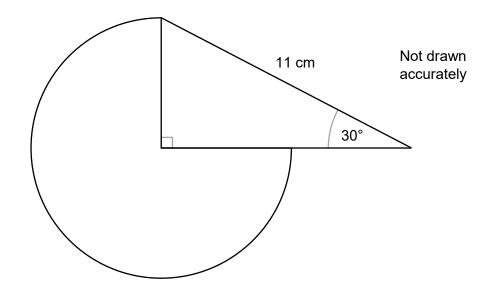
Work out the size of angle <i>DAC</i> .	[4 marks
	۰
Answer	



Solutions



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



Work out the area of the sector.	[4 marks]





 cm^2

Solutions