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AQA – Mensuration and calculations – GCSE 2022 Mathematics

1.

June/2022/Paper_8300/3F/N An empty container is A tennis ball is a spher	a cylinder of radiu	เร 3.5 cm and height 40 cm า	1
Will six of the tennis ba	alls fit in the conta	iner?	
Yes		No	
Show working to support	ort your answer.		[2 marks]

2. June/2022/Paper_8300/3F/No.21

Use trigonometry to work out the size of angle x.

	10 cm
4 cm	x

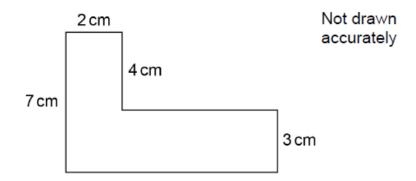
Not drawn accurately

[3 marks]

 $\chi =$

3. June/2022/Paper_8300/3F/No.25

The L-shape is made from rectangles.



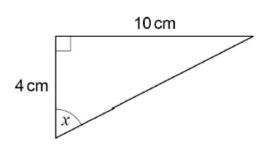
The area is $44\,\mathrm{cm}^2$

	Work	out	the	perimeter.
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			[3 marks]

4. June/2022/Paper_8300/3H/No.4

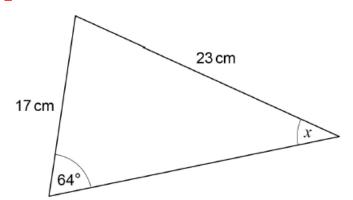
Use trigonometry to work out the size of angle x.



Not drawn accurately

			[3 marks]

5. June/2022/Paper_8300/3H/No.21



Not drawn accurately

Use the sine rule to work out the size of angle x.

[3 marks]