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Surname		Other names	
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## Instructions

- Use **black** ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided there may be more space than you need.
- Calculators may be used.

## Information

- The total mark for this paper is 100
- The marks for each question are shown in brackets
  use this as a guide as to how much time to spend on each question.
- Questions labelled with an **asterisk** (\*) are ones where the quality of your written communication will be assessed.

## Advice

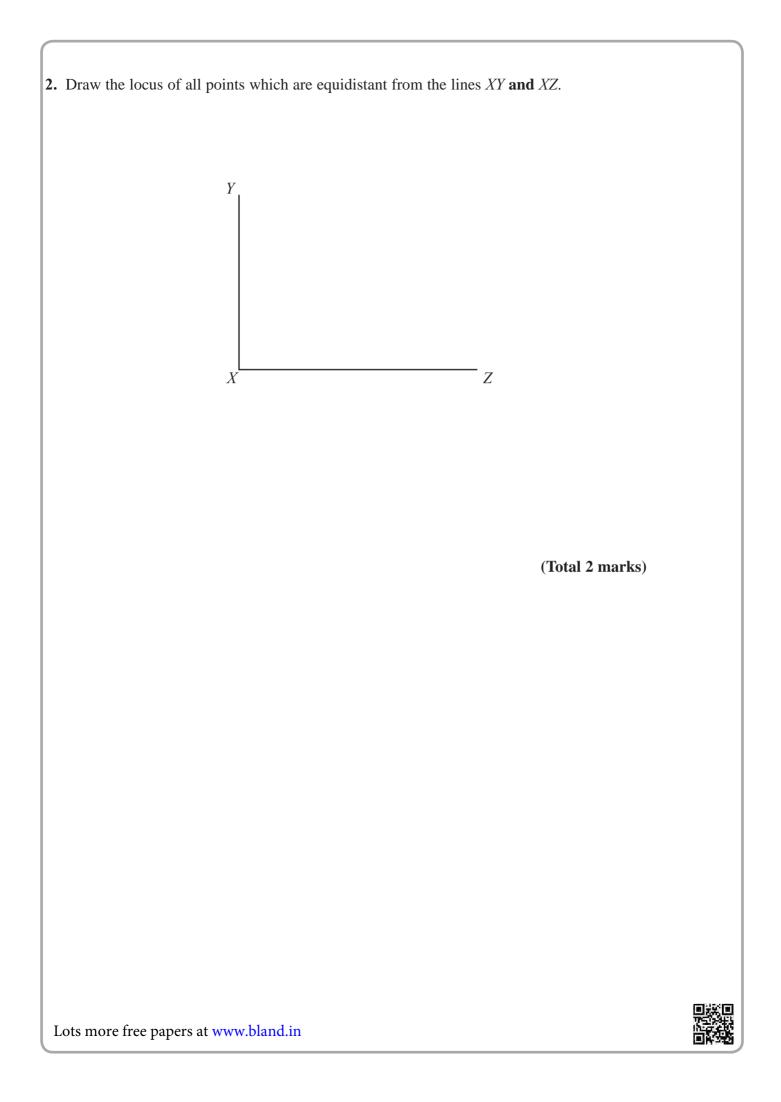
- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



Turn over 🕨



1. (a) Draw the locus of all points which are equidistant from the points $C$ and $D$ .		
$C \times X $		
	(2)	
(b) Draw the locus of all points that are exactly $3 \text{ cm}$ from the line <i>EF</i> .		
<i>F</i>		
	(2)	
(Total 4 m	ıarks)	معمون دروان ويبيع
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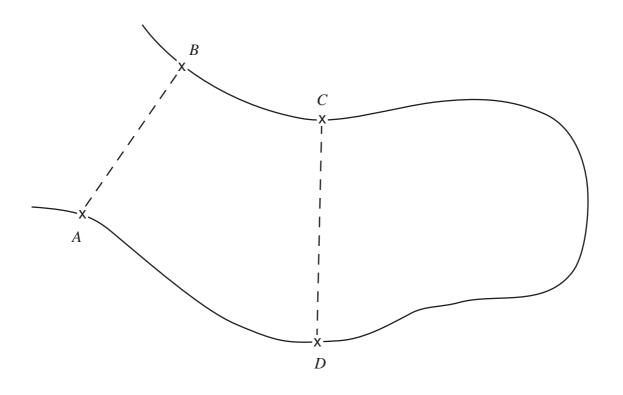


**3.** The map shows part of a golf course.

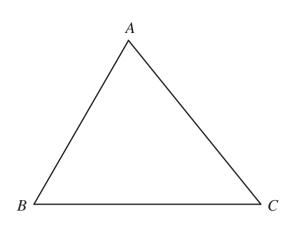
A golfer has to hit a ball so that its path between AB and CD is a straight line

an is always the same distance from A as from B

On the map, draw the path the ball should take.







ABC is a triangle.

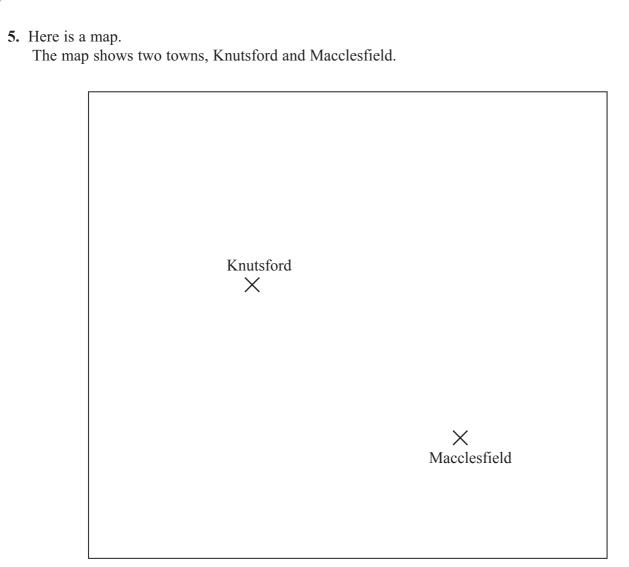
Shade the region inside the triangle which is **both** 

and less than 4 centimetres from the point *B* closer to the line *AC* than the line *AB*.

(Total 4 marks)



4.



Scale: 1 cm represents 10 km

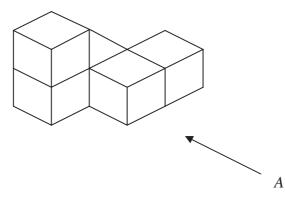
A company is going to build a glasshouse.

The glasshouse will be less than 30 km from Knutsford and less than 50 km from

Macclesfield. Shade the region on the map where the company can build the glasshouse.



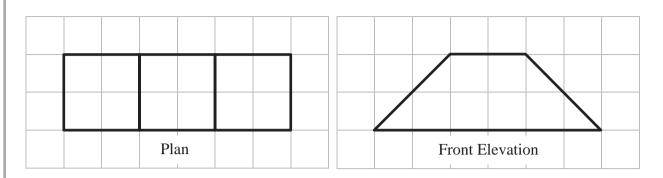
6. The diagram represents a solid made from 5 identical cubes.



On the grid below, draw the view of the solid from direction A.



7. Here are the plan and front elevation of a solid shape.



(a) On the grid below, draw the side elevation of the solid shape.


(2)

(b) In the space below, draw a sketch of the solid shape.

(2)



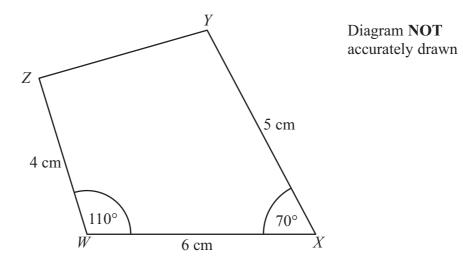
**8.** In the space below, use ruler and compasses to **construct** an equilateral triangle with sides of length 6 centimetres.

You must show all your construction lines.

One side of the triangle has already been drawn for you.



9. Here is a sketch of a quadrilateral.



Make an accurate drawing of the quadrilateral WXYZ in the space below. The point W, marked with a cross (×), has been drawn for you.

 $W \times$ 

(Total 4 marks)



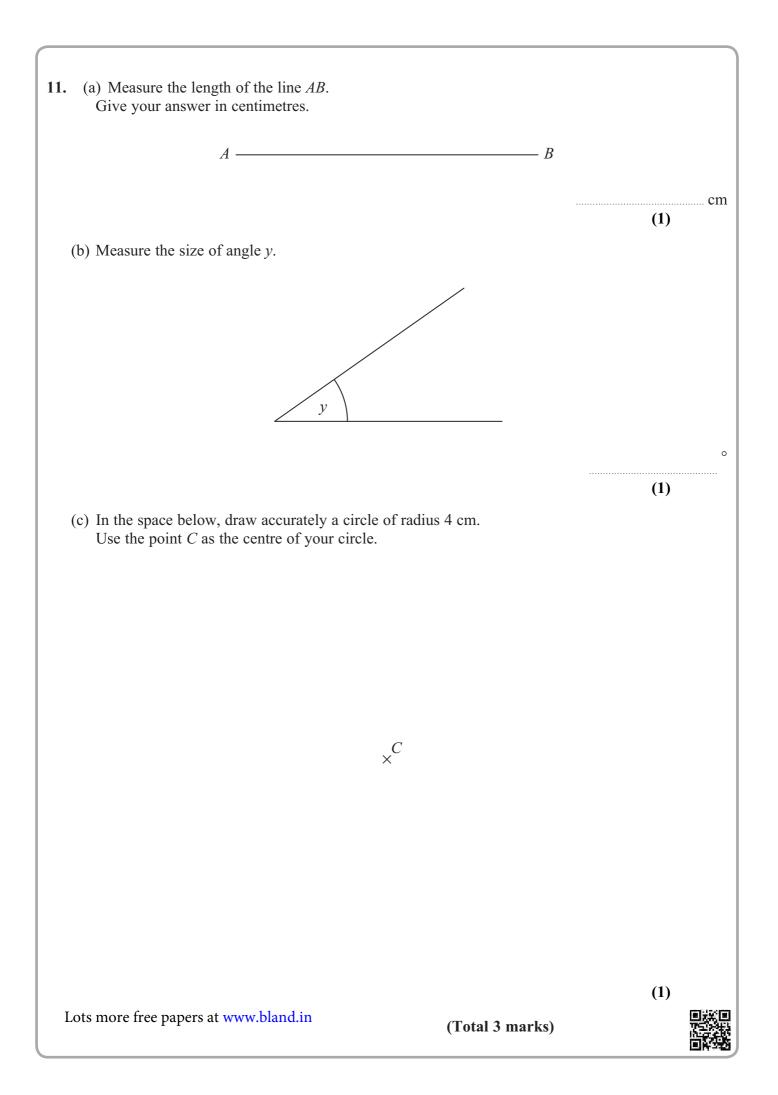
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(1)

(b) On the grid, draw a rectangle with an area of  $20 \text{ cm}^2$ .

(2)





12.Use ruler and compasses to construct the perpendicular bisector of the line AB.

You must show all your construction lines.

A \_\_\_\_\_\_ B

(b) Use ruler and compasses to construct the perpendicular bisector of the line *RS*. You must show all your construction lines.

R \_\_\_\_\_\_ S

(2)

(Total 4 marks)



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**13.** Use ruler and compasses to **construct** an angle of  $30^{\circ}$  at *T*. You **must** show all your construction lines.

T



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