



Constructions

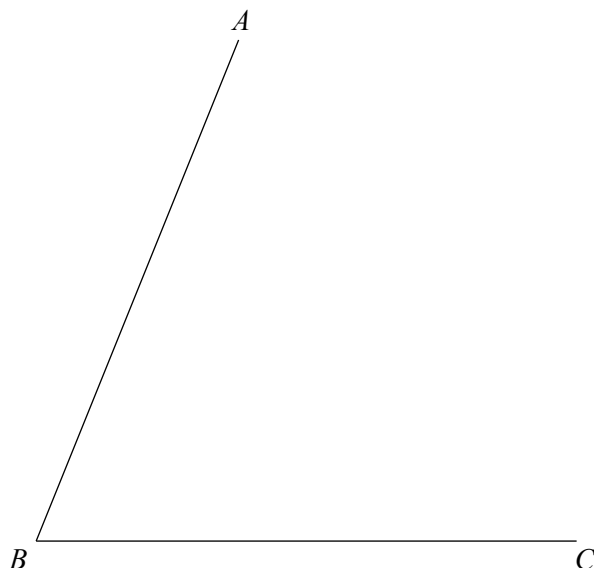
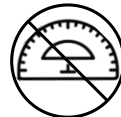


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REVISE THIS
TOPIC

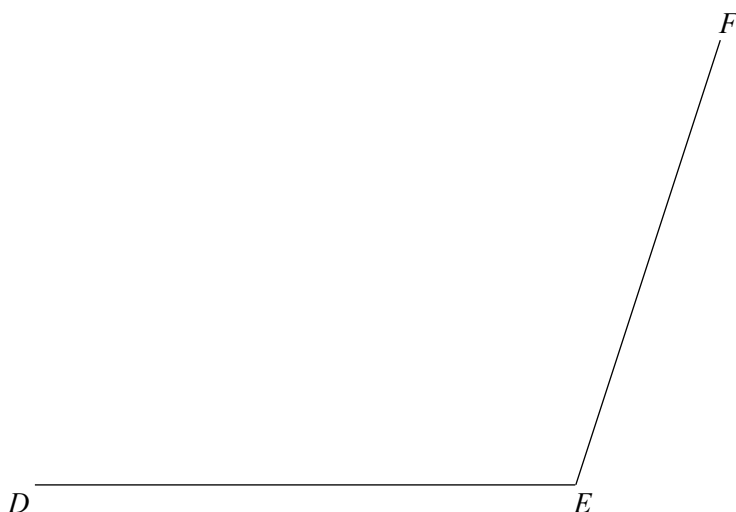
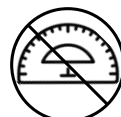
CHECK YOUR
ANSWERS

- 1 Use a ruler and compasses to construct the bisector of angle ABC .



(Total for Question 1 is 2 marks)

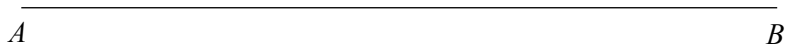
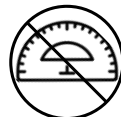
- 2 Use a ruler and compasses to construct the bisector of angle DEF .



(Total for Question 2 is 2 marks)

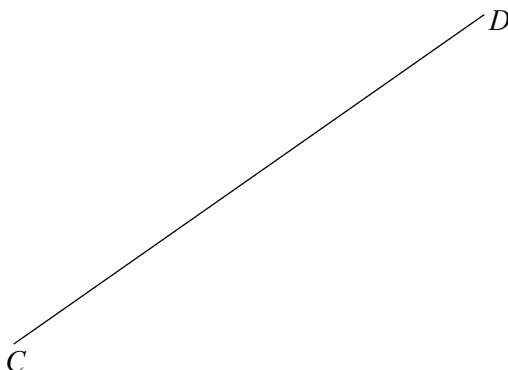
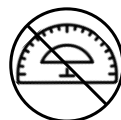


3 Use a ruler and compasses to construct the perpendicular bisector of line AB .



(Total for Question 3 is 2 marks)

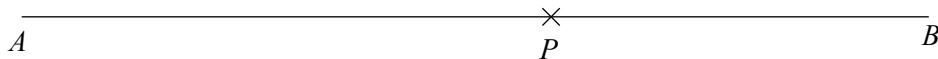
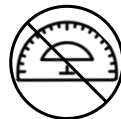
4 Use a ruler and compasses to construct the perpendicular bisector of line CD .



(Total for Question 4 is 2 marks)

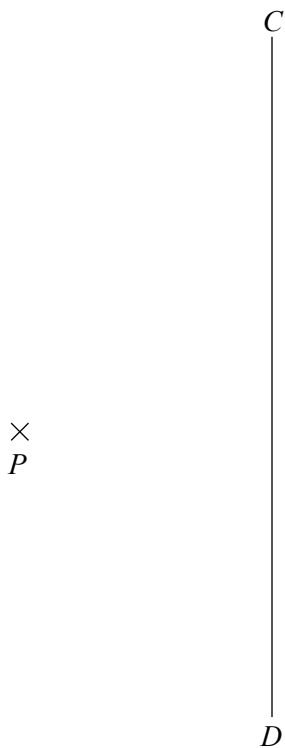
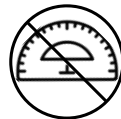


- 5 The point P lies on the line AB .
 Use a ruler and compasses to construct an angle of 90° at P .
 You must show all your construction lines.



(Total for Question 5 is 2 marks)

- 6 Use a ruler and compasses to construct the line from the point P perpendicular to the line CD .

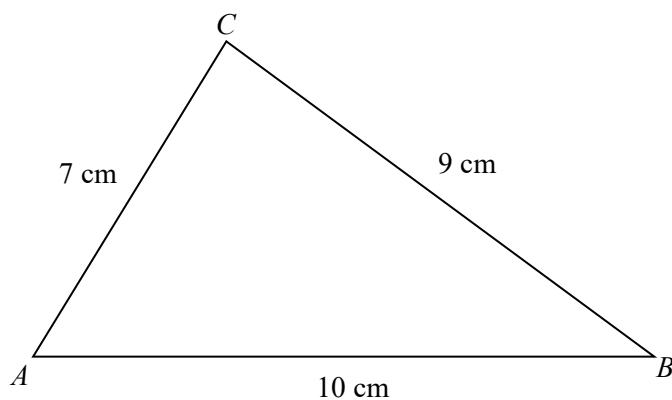
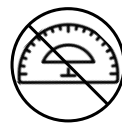


(Total for Question 6 is 2 marks)



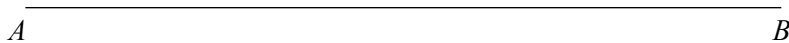


7 A sketch of triangle ABC is shown.



In the space below, construct an accurate drawing of triangle ABC .

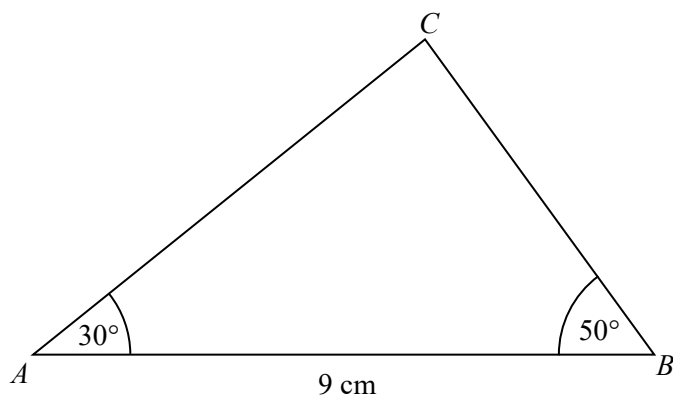
You should use only a ruler and compasses for this question.



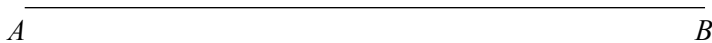
(Total for Question 7 is 2 marks)



8 A sketch of triangle ABC is shown.



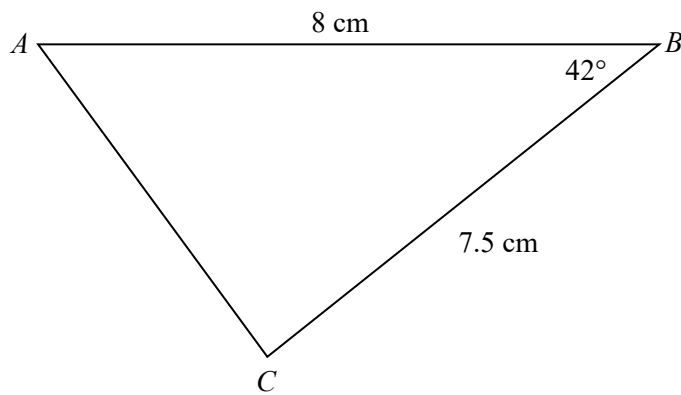
In the space below, complete an accurate drawing of triangle ABC .



(Total for Question 8 is 2 marks)



9 A sketch of triangle ABC is shown.



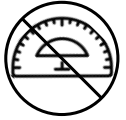
In the space below, complete an accurate drawing of triangle ABC .

A _____ B

(Total for Question 9 is 2 marks)



10 Using a ruler and compasses only, construct an equilateral triangle with side length 7 cm.



(Total for Question 10 is 2 marks)

11 ABC is an isosceles triangle.

$$AB = 6\text{ cm}$$

$$AC = BC = 9.5\text{ cm}$$



In the space below, construct an accurate drawing of triangle ABC .

You should use only a ruler and compasses for this question.

A

 B

(Total for Question 11 is 2 marks)





12 ABC is a triangle.

$$AB = 12 \text{ cm}$$

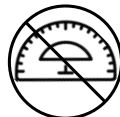
$$\text{Angle } BAC = 77^\circ$$

$$AC = 8 \text{ cm}$$

In the space below, complete an accurate drawing of triangle ABC .

A _____ B





13 ABC is a triangle.

$$AB = 8 \text{ cm}$$

$$\text{Angle } ABC = 60^\circ$$

$$\text{Angle } CAB = 90^\circ$$

In the space below, construct an accurate drawing of triangle ABC .

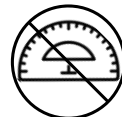
You should use only a ruler and compasses for this question.



(Total for Question 13 is 4 marks)



14 Angle $ABC = 30^\circ$



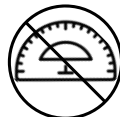
Use a ruler and compasses to construct angle ABC .

A _____ B



(Total for Question 14 is 4 marks)





15 ABC is an isosceles triangle.

$$AB = 8 \text{ cm}$$

$$AC = BC$$

The area of triangle ABC is 40 cm^2

In the space below, construct an accurate drawing of triangle ABC .

You should use only a ruler and compasses for this question.

A _____ B



(Total for Question 15 is 4 marks)

