

Name: _____

IGCSE

Construction

Instructions

- Use **black** ink or ball-point pen.
- Answer all Questions.
- Answer the Questions in the spaces provided
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

Information

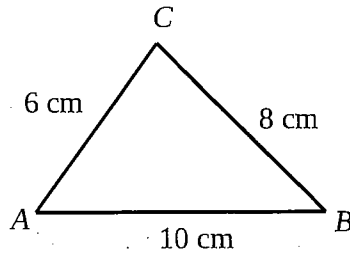
- The marks for each Question are shown in brackets
– *use this as a guide as to how much time to spend on each Question.*

Advice

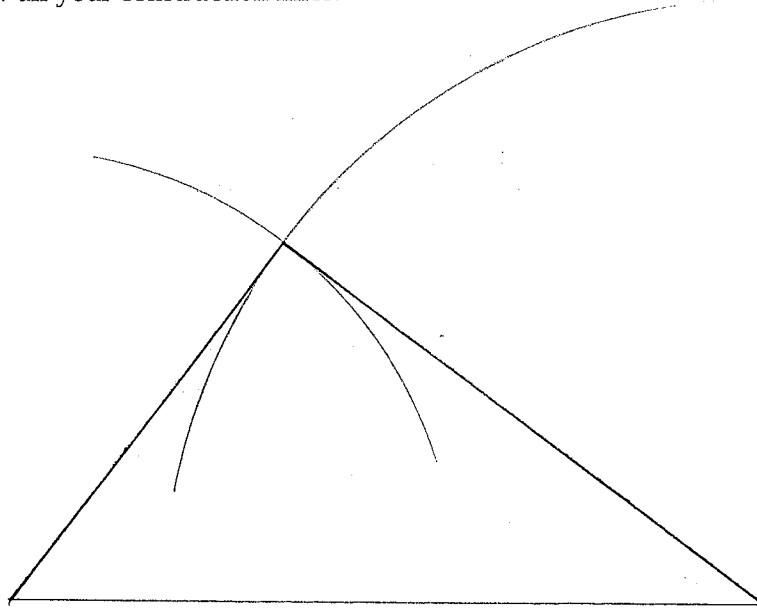
- Read each Question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every Question.
- Check your answers if you have time at the end

1 ABC is a triangle.

$AB = 10$ cm
 $BC = 8$ cm
 $AC = 6$ cm



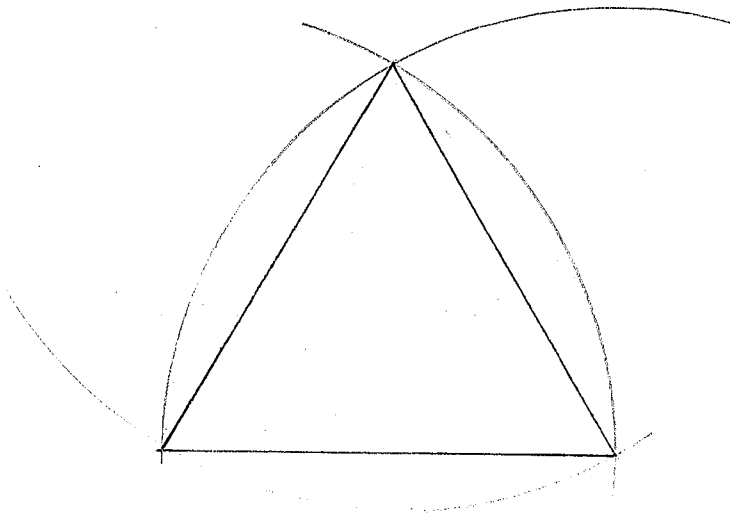
Use ruler and compasses to construct an accurate drawing of triangle ABC .
You must show all your construction lines.



(Total for Question 1 is 3 marks)

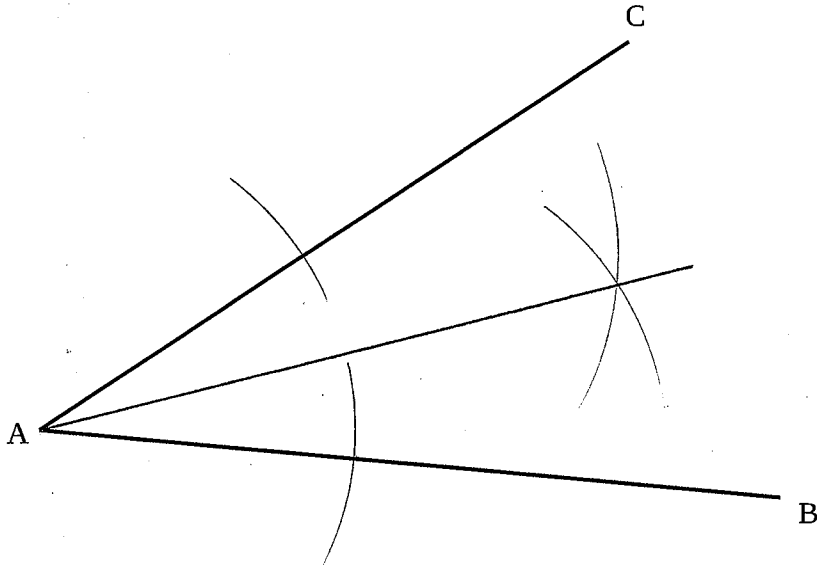
2 In the space below, use a ruler and compasses to construct an equilateral triangle with side length 6 cm.

You must show all your construction lines.



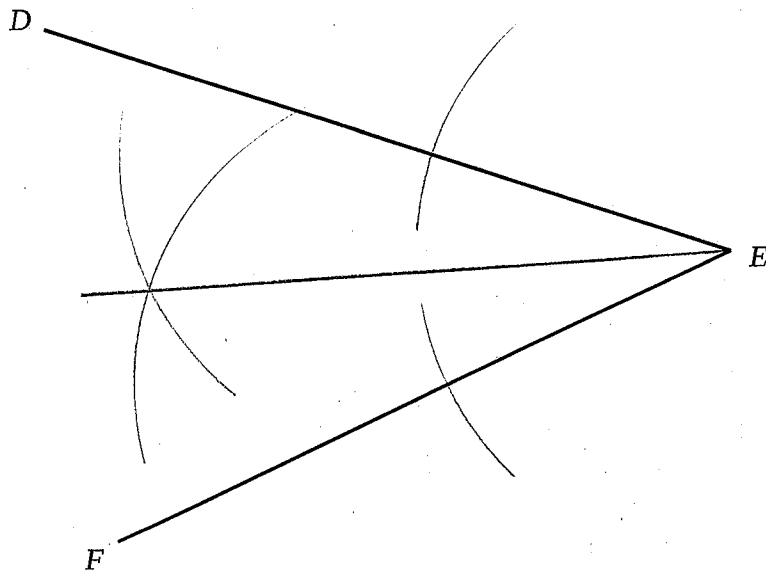
(Total for Question 2 is 3 marks)

- 5 Use ruler and compasses to construct the bisector of angle BAC .
You must show all your construction lines.



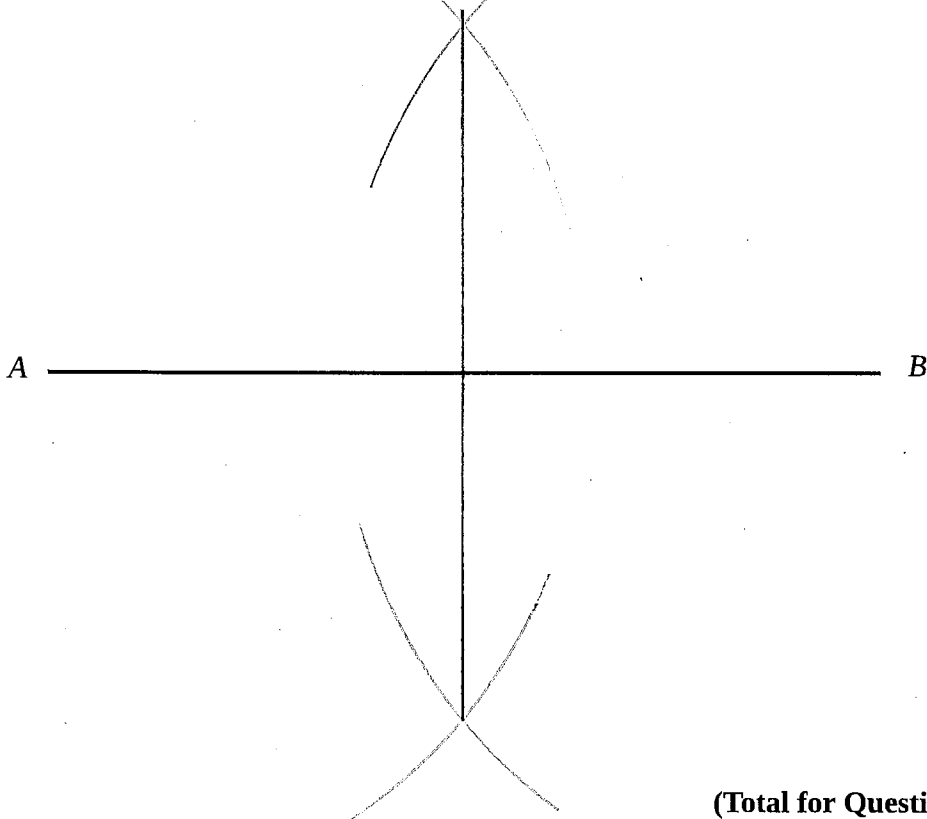
(Total for Question 5 is 2 marks)

- 6 Use ruler and compasses to construct the bisector of angle DEF .
You must show all your construction lines.



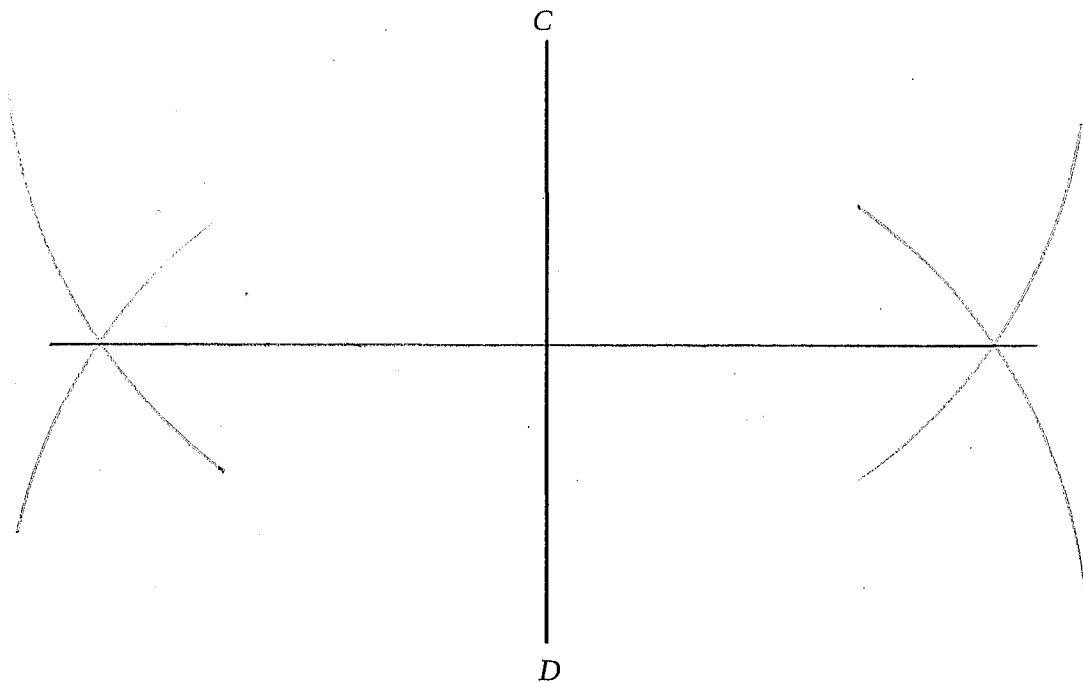
(Total for Question 6 is 2 marks)

- 3 Use ruler and compasses to construct a perpendicular bisector of the line AB .
You must show all your construction lines.



(Total for Question 3 is 2 marks)

- 4 Use ruler and compasses to construct a perpendicular bisector of the line CD .
You must show all your construction lines.



(Total for Question 4 is 2 marks)