WORKSHEET

Name: _____ Class: _____

Date: _____ MARK ____ / 13

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 What two instruments may you use in a construction? (1)

2 Why must you not rub out your arcs? (1)

3 When bisecting AB, how wide must the compass be opened? (2)

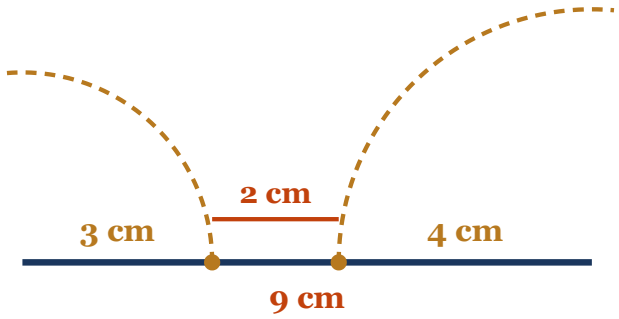
4 What angle does a perpendicular bisector make with the line? (1)

5 How do you construct a $30°$ angle? (2)

6 How do you construct a $45°$ angle? **(2)**

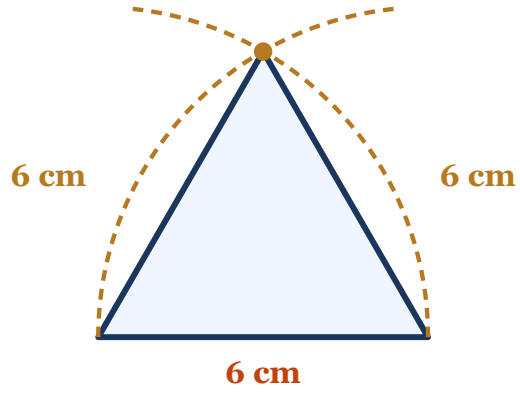
7 Which side is usually the most convenient to draw first in an SSS construction? **(1)**

8 Can a triangle with sides 3 cm, 4 cm and 9 cm be constructed? **(2)**



the two arcs fall short of each other

9 Each angle of a constructed equilateral triangle measures... (1)



arcs of the same radius from both ends

TOTAL: 13 marks

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