Centre Number			Candidate Number		
Surname					
Other Names					
Candidate Signature					

mathsrevision 🔅 revisionworld 🔅

GCSE Mathematics (Non-calculator Paper)

Practice Paper Style Questions Topic: Loci & Constructions (Higher Tier)

For this paper you must have:

- black pen
- HB pencil
- ruler (with cm & mm)
- rubber
- protractor
- compass
- pencil sharpener

Time allowed

1 hour

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the space provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work that you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 44.
 The quality of your written communication is specifically assessed in questions indicated with an asterisk (*)
- You may ask for more answer paper and graph paper. These must be tagged securely to this answer booklet.
- A calculator must NOT be used.

Advice

- Read each question carefully before you answer it.
- In all calculations, show clearly how you work out your answer.
- Check your answers if you have time at the end.

For Examiner's Use							
Examiner's Initials							
Pages	Mark						
3							
4 – 5							
6 – 7							
8 – 9							
10 – 11							
12 – 13							
14 – 15							
TOTAL							















A company is planning to build a new leisure facility.

The facility will be less than 20 miles from Bristol and less than 30 miles from Cheltenham.

Shade the region on the map where the company can build the facility.

(3 marks)



mathsrevision 🔅



(2 marks)

7 In the space below, use a ruler and compasses to construct an equilateral triangle with side of 8 centimetres.

You must show all your construction lines.

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

(2 marks)

mathsrevision 🔅



Make an accurate drawing of the quadrilateral *ABCD* in the space below.

The point *A*, marked with a cross (X), has been drawn for you.



(4 marks)











(6 marks)

END OF QUESTIONS

mathsrevision 🔅

Side Elevation

revisionworld 🔅

