Chapter 1
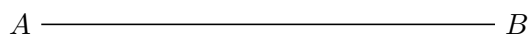
GCSE Revision - Loci and Constructions

1. Draw the locus of all points which are equidistant from the lines AB and AC. **(2)**

B

A C

2. Use ruler and compasses to **construct** the perpendicular bisector of the line AB. You must show all your construction line. **(2)**
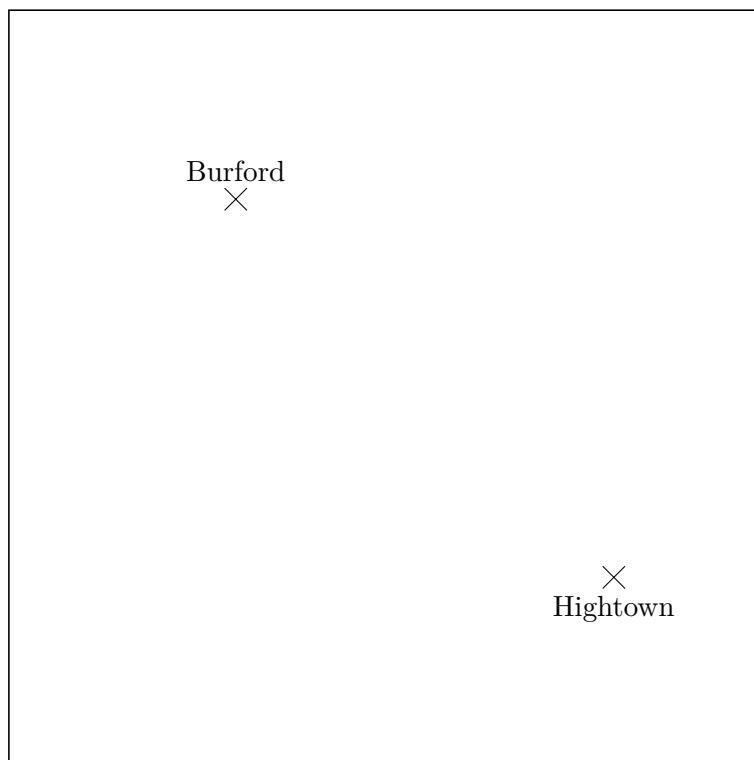
A ——————————— B

3. Use ruler and compasses to **construct** an angle of 30° at P. You must show all your construction lines. **(3)**

P ──────────────

4. Here is a map.

The map shows two towns, Burford and Hightown

Burford
$\times$

$\times$
Hightown

Scale: 1 cm represents 10 km.

A company is going to build a warehouse. The warehouse will be less than 30 km from Burford and less than 50 km from Hightown. Shade the region on the map where the company can build the warehouse. **(3)**

5. hello