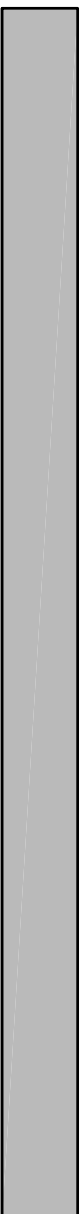
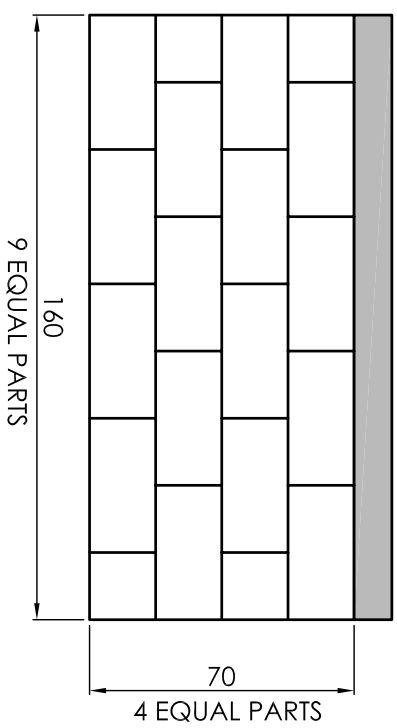


**Question 1.**

A dimensioned drawing of a wall is shown on the right. Using the given start lines below, **copy the drawing** showing all constructions necessary

- to **divide** the 160mm into **9 equal parts**, and
- **bisect** the 70mm into **4 equal parts**.

**14 Marks**

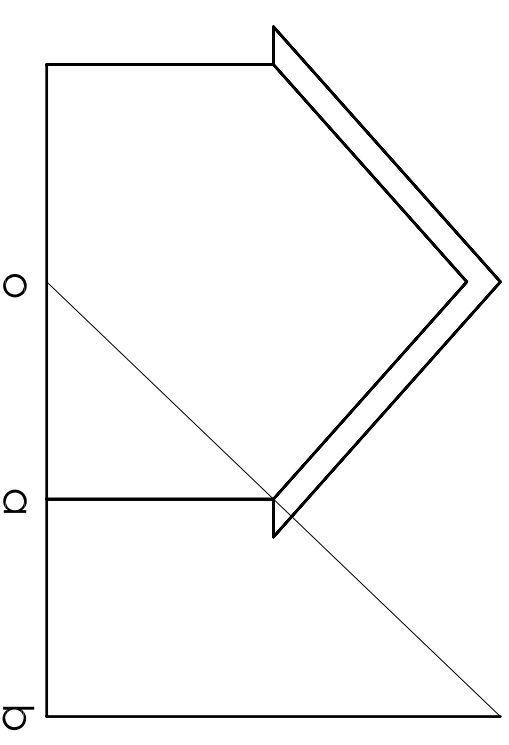


**Question 2.**

Your friend needs to enlarge the toy house profile given below. **By using the radial method, enlarge the profile** such that **oa** increases to **ob**.

**Note:** Use 'o' as the pole.

**14 marks**



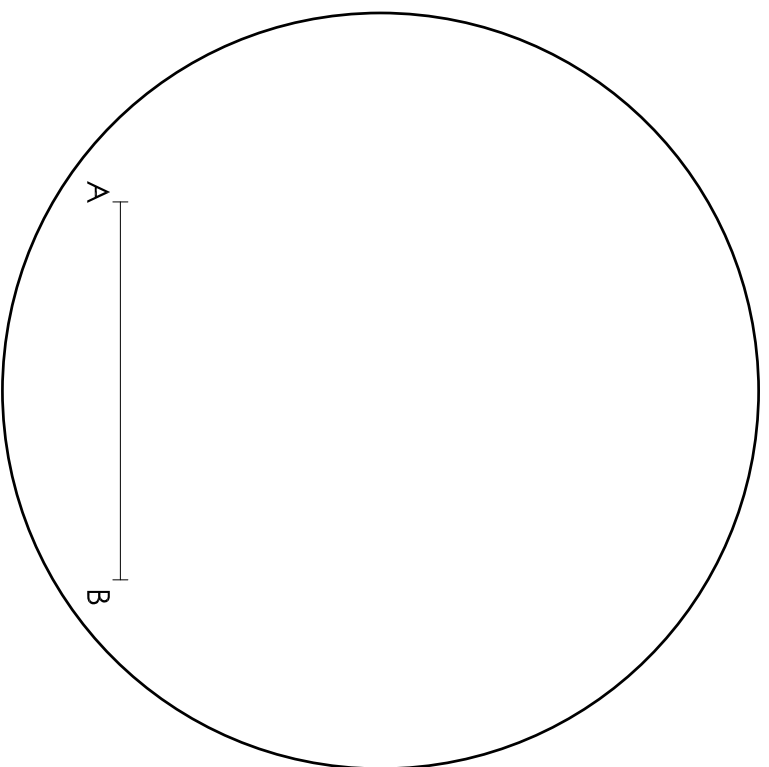
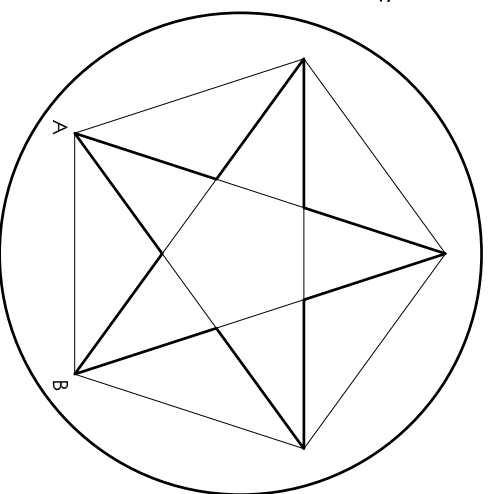
**Question 3.**

The drawing on the right shows the elevation of a **decorative lighting accessory**.

On the given start lines complete the star by:

- i) constructing the **pentagon** starting from base AB.
- ii) drawing the **star** based on the pentagon drawn in **step i)**.

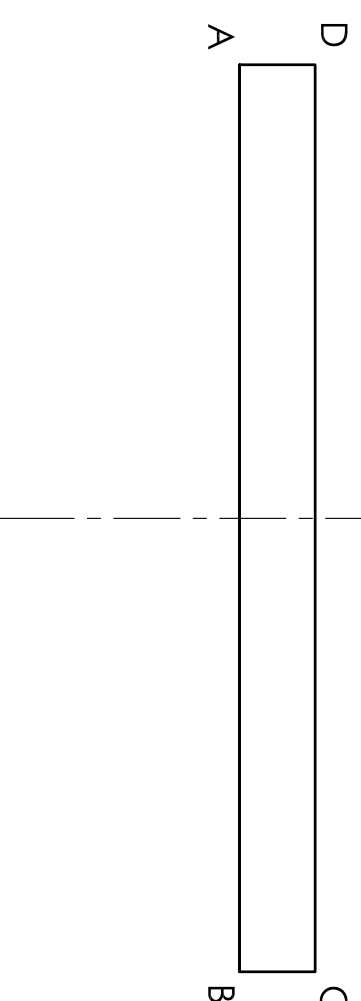
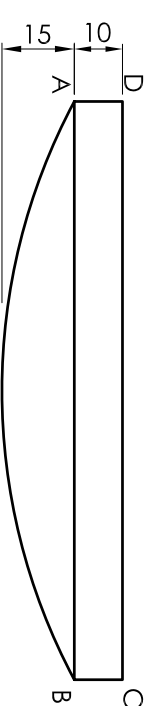
**12 marks**



**Question 4.**

The figure on the right shows a **ceiling light**. By using the given start lines (ABCD) complete the drawing **showing clearly how the centre of the arc is obtained by using the 3 point circle method**.

**14 marks**

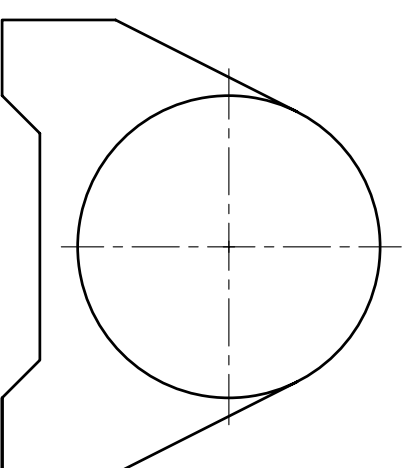


**Question 5.**

The drawing on the right shows an old clock. On the start lines provided you are asked to draw **the missing parts of its profile** (the circle and the tangents) by using the dimension given below.

Radius of circle = 40mm

**14 marks**

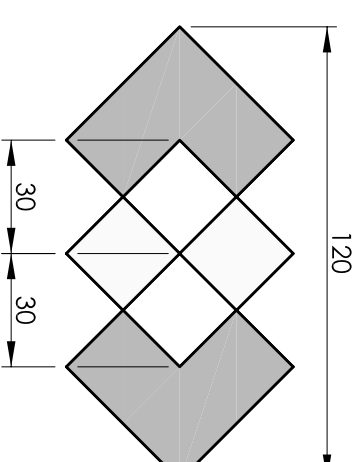


**Question 6.**

The pattern shown on the right is based on squares.

- i) Use your **45° set-square** to **construct** the given pattern
- ii) **Shade** it as shown.

**16 marks**



**Question 7.**

The logo on the right is based on an equilateral triangle. **On the start line** provided **construct** the logo by using the dimensions given.

**16 marks**

