



LOCI of a POINT

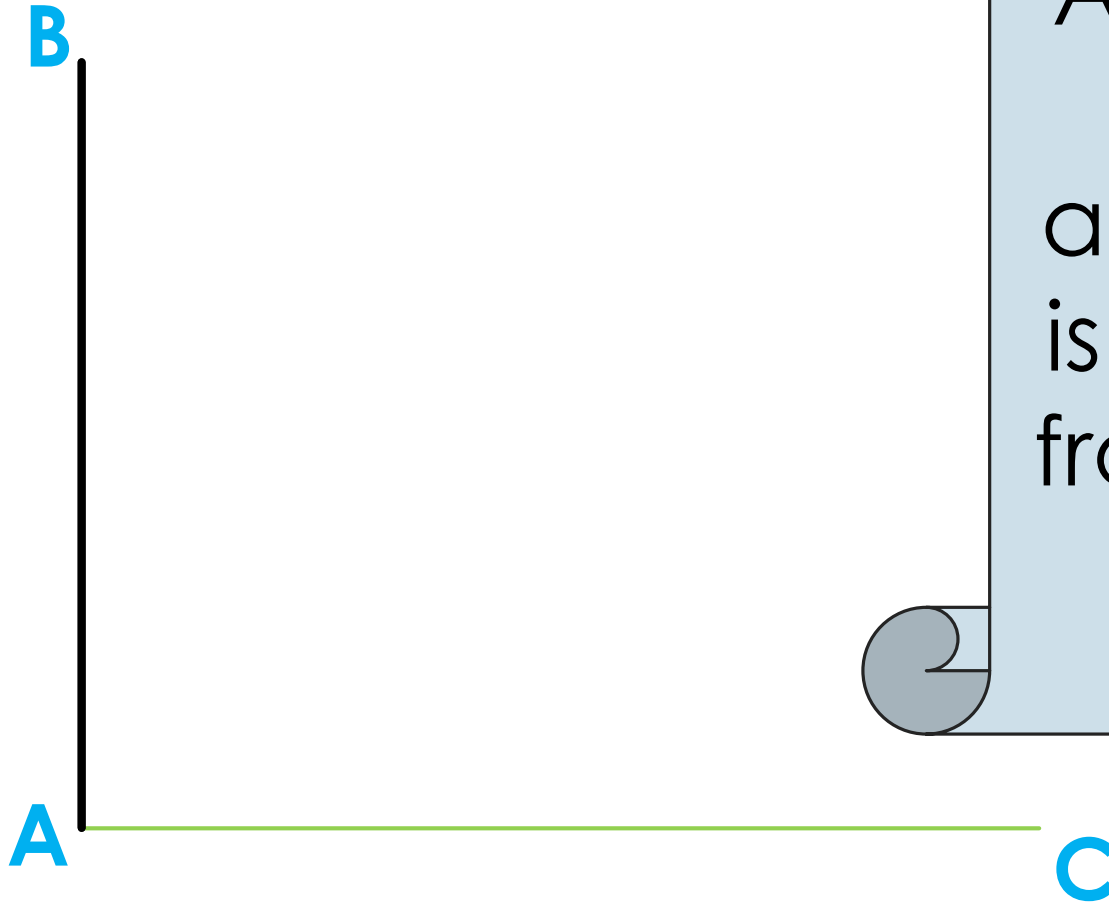
Grade 12

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Loci of a POINT

- ▶ With a loci of a point one should always:
 - ▶ work with the true length of a line
 - ▶ work systematically
 - ▶ In the case of a circle, divide the circle into 12 equal parts

Loci of a POINT



Presume line AB is a ladder pivoting around **A** and is **falling away** from a vertical wall **at B**



Loci of a POINT

B_0-0°

A

C

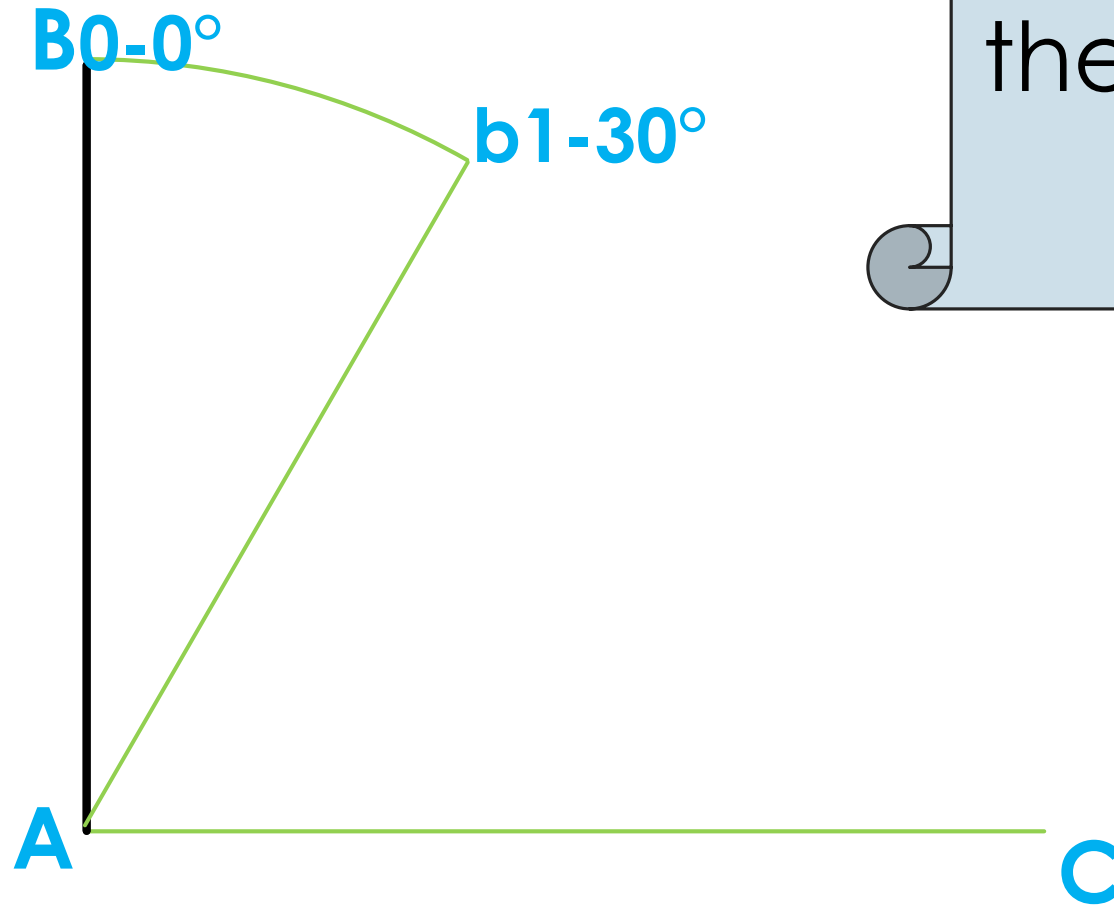
At 0° it will be standing straight against the wall



education

Department of
Education
FREE STATE PROVINCE

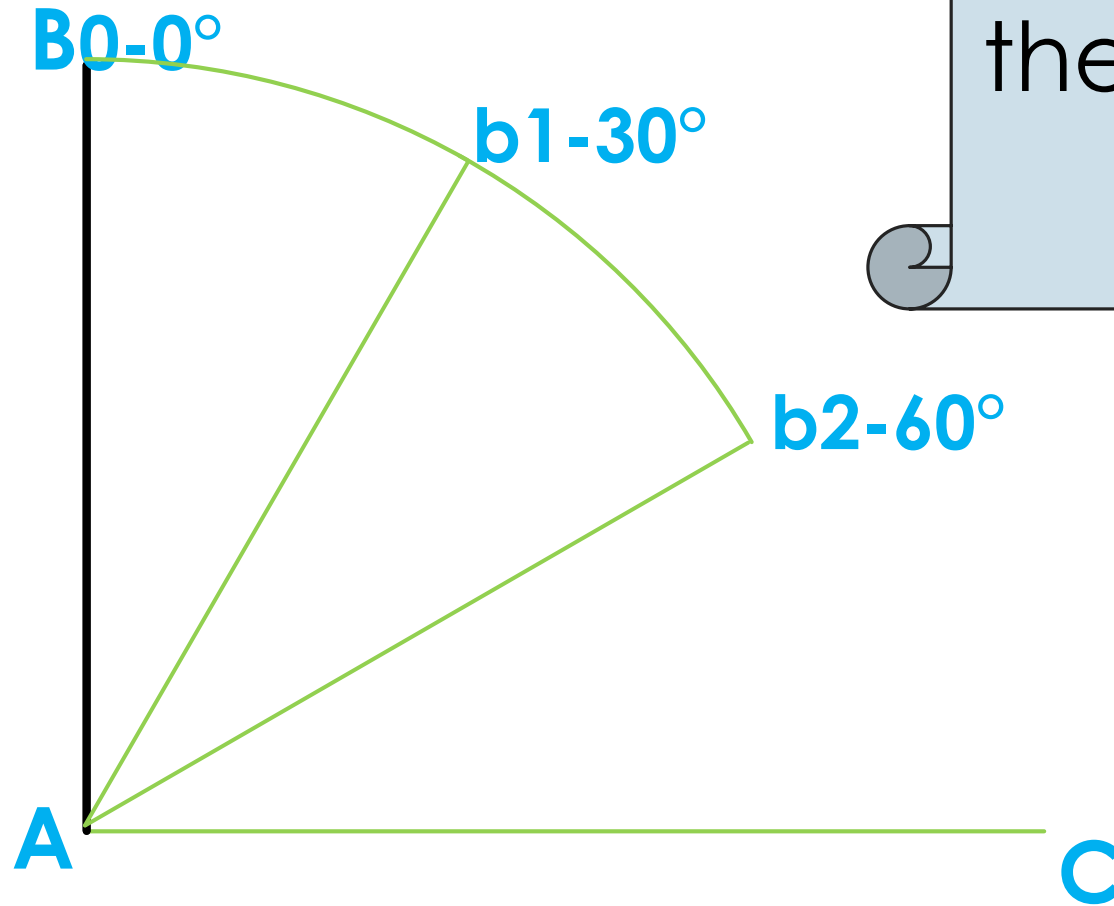
Loci of a POINT



This is the path of the ladder at 30°



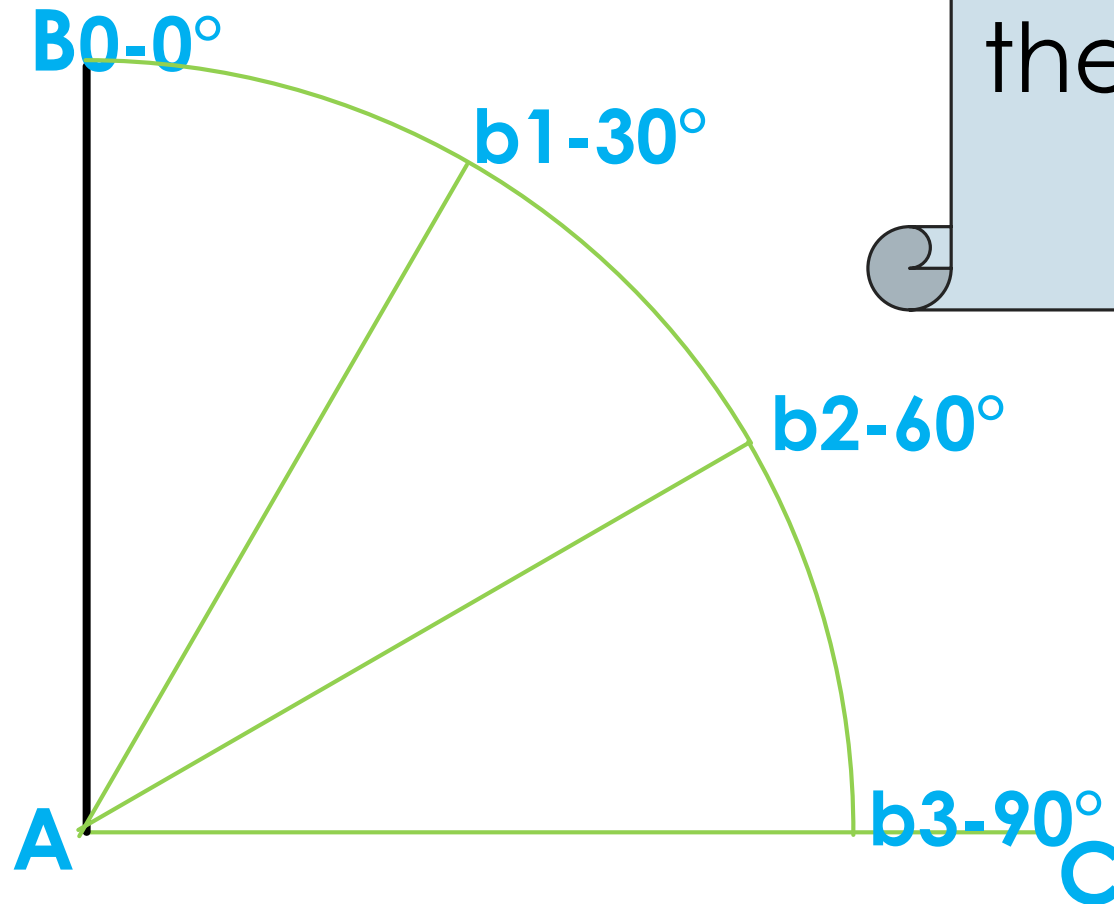
Loci of a POINT



This is the path of the ladder at **60°**



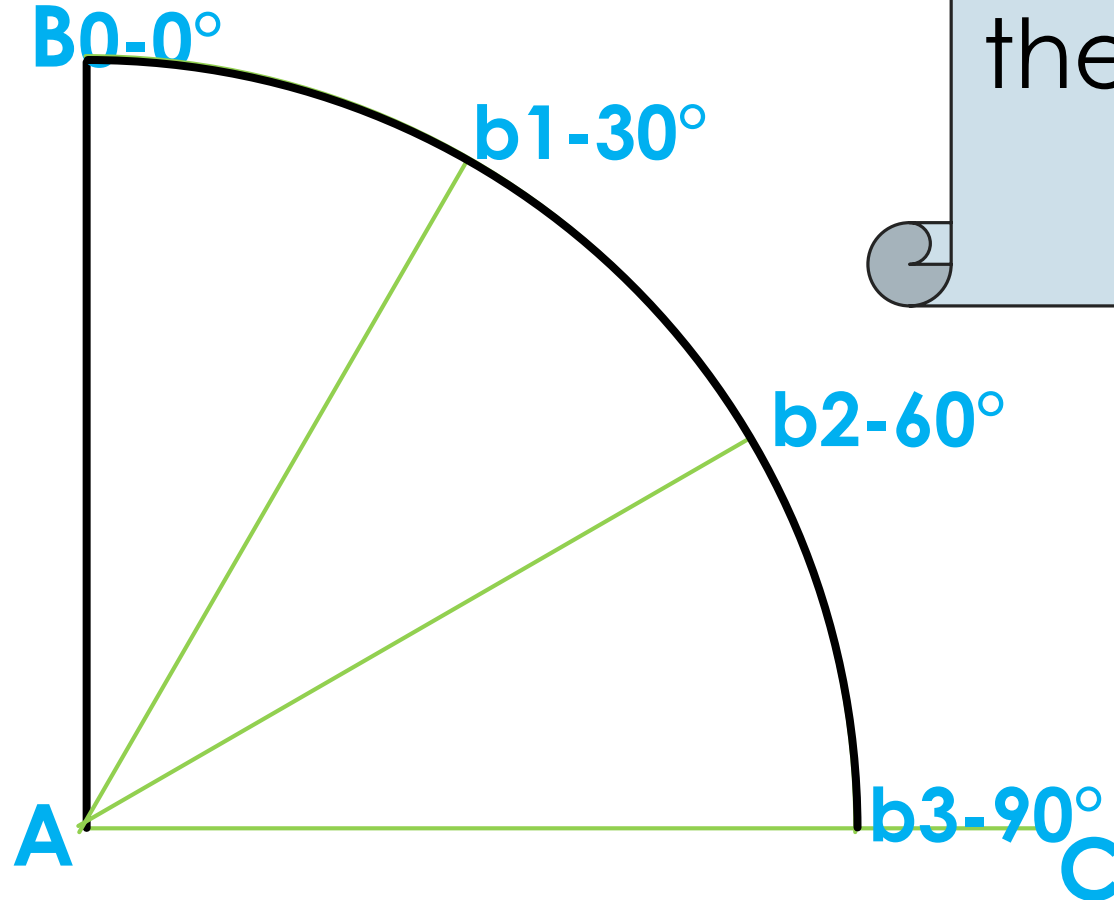
Loci of a POINT



This is the path of the ladder at 90°



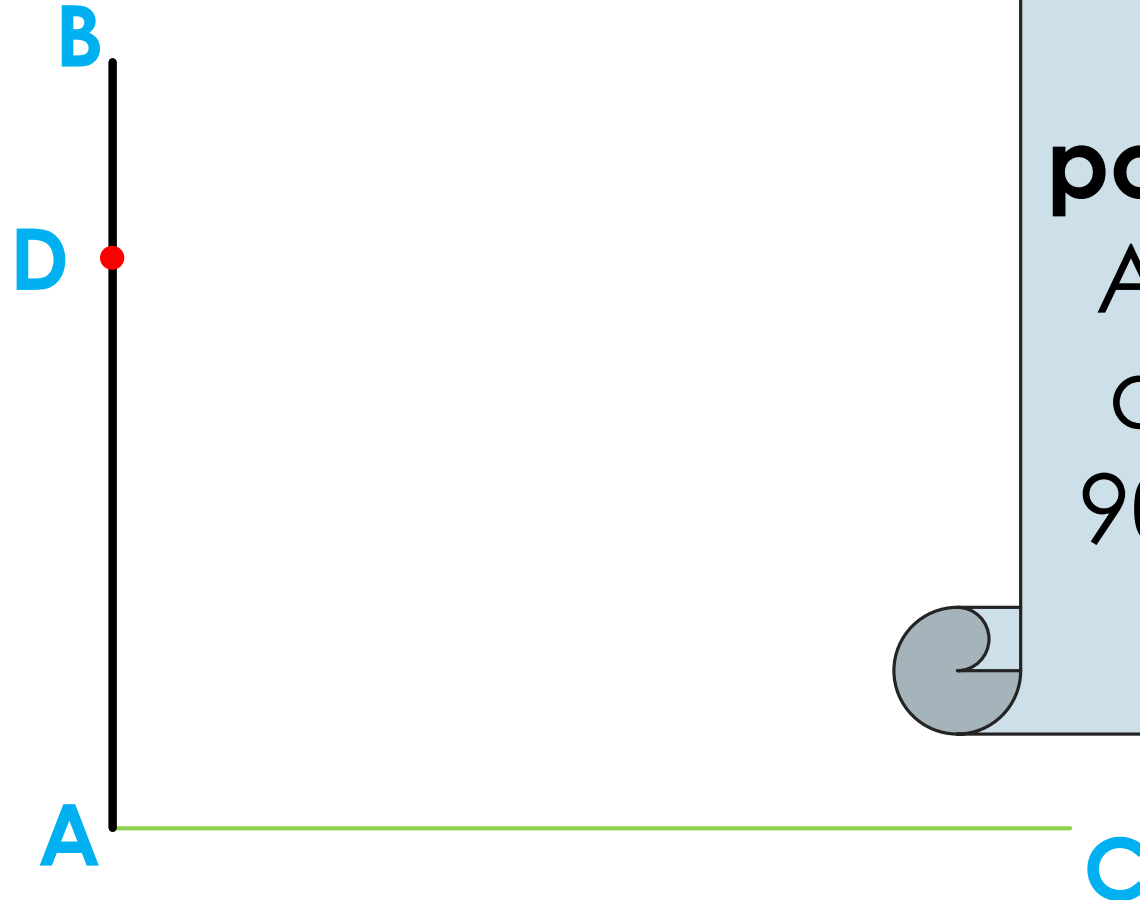
Loci of a POINT



This is the path of the ladder at 90°

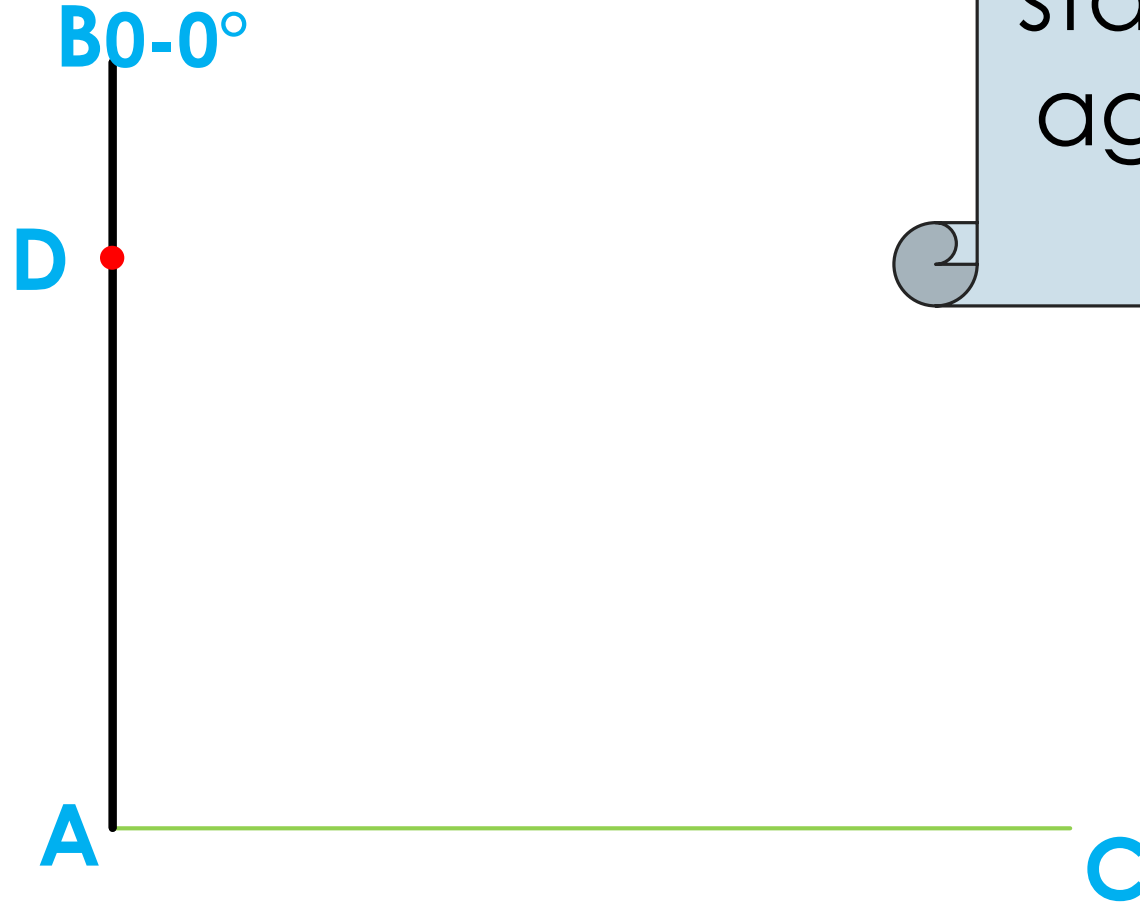


Loci of a POINT



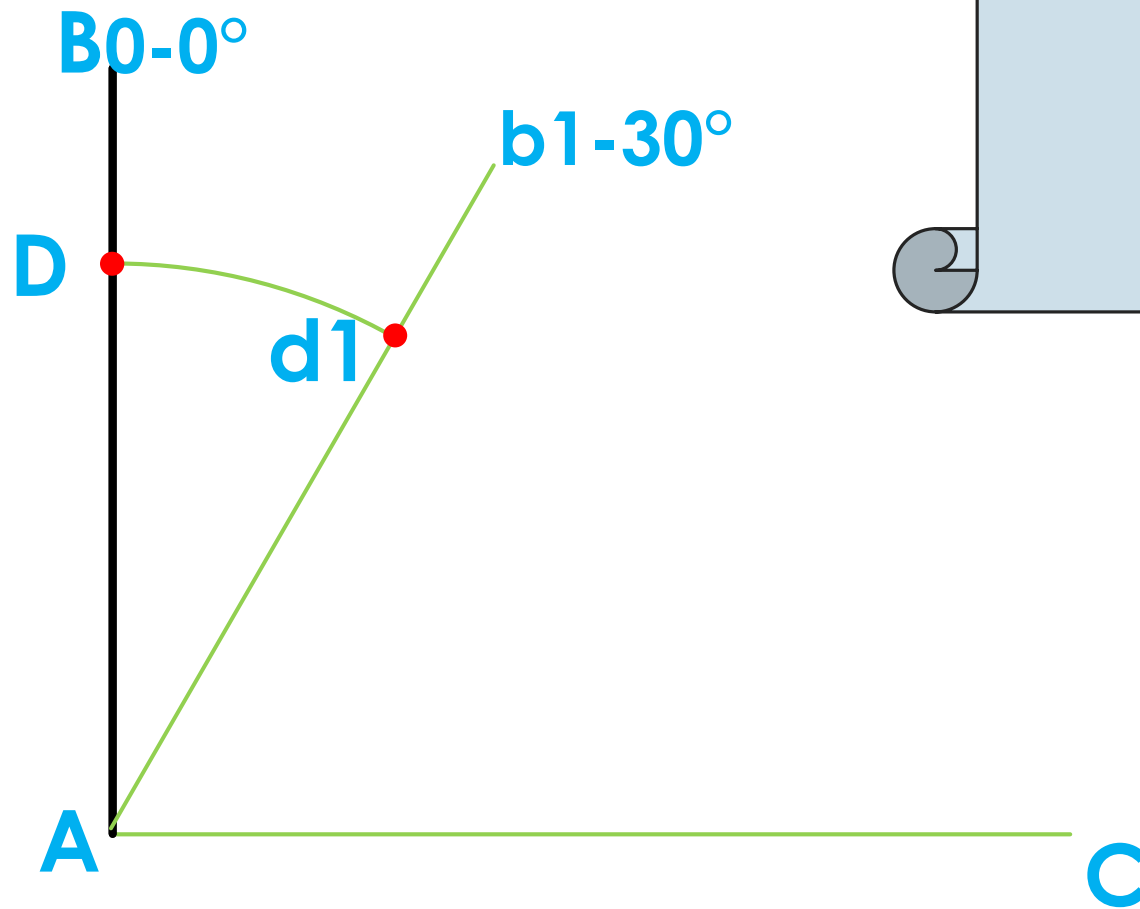
Determine the **loci** of the **point at D** if line AB is pivoting around A for 90° towards **C**

Loci of a POINT



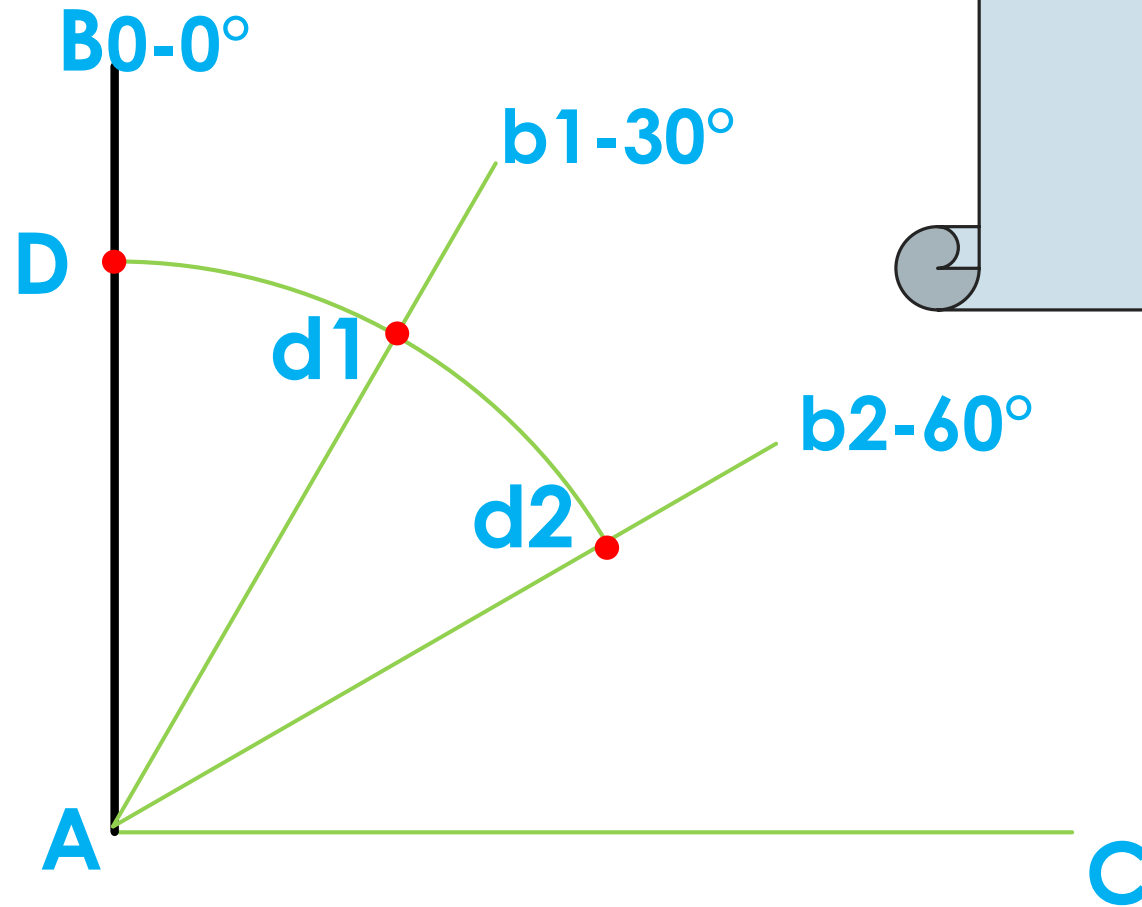
At 0° it will be standing straight against the wall

Loci of a POINT



The path of **D** at **30°**

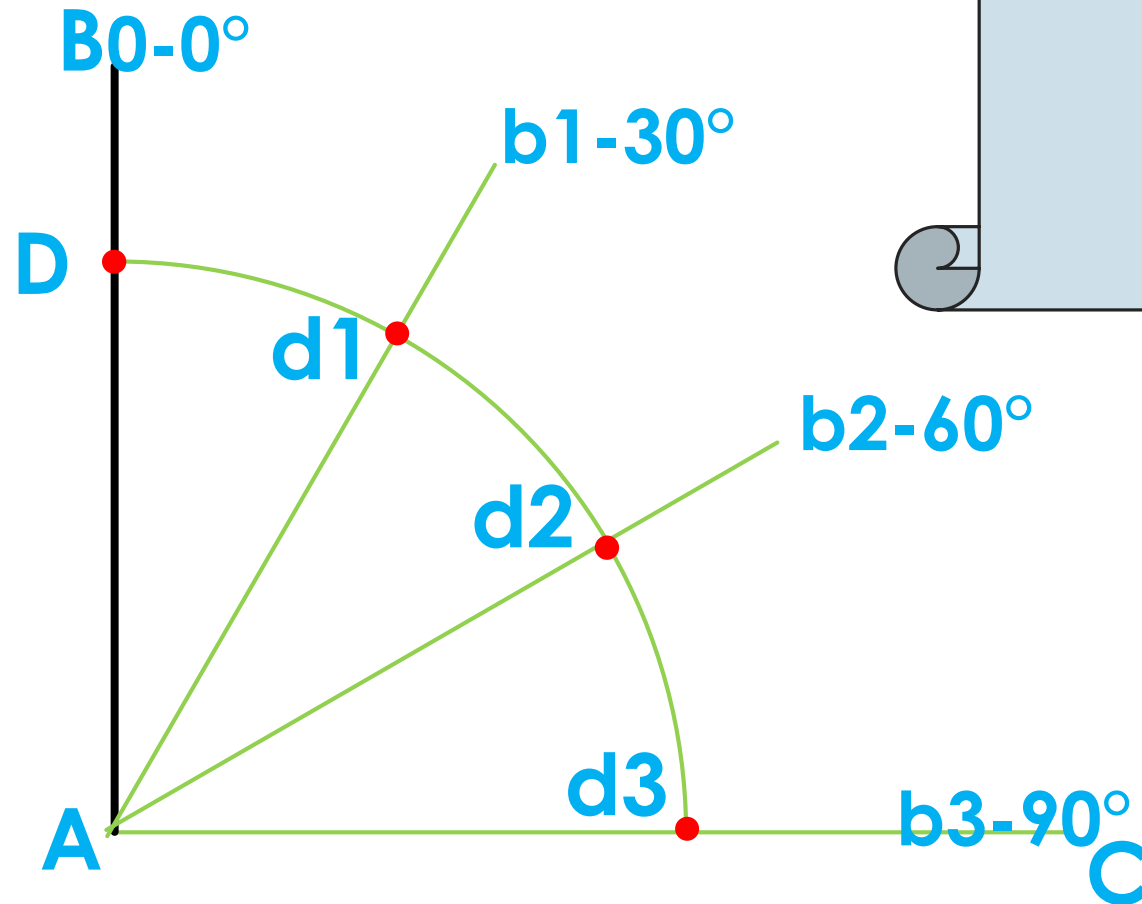
Loci of a POINT



The path of **D** at 60°

Loci of a POINT

The path of **D** at 90°



Loci of a POINT

The path of **D**

