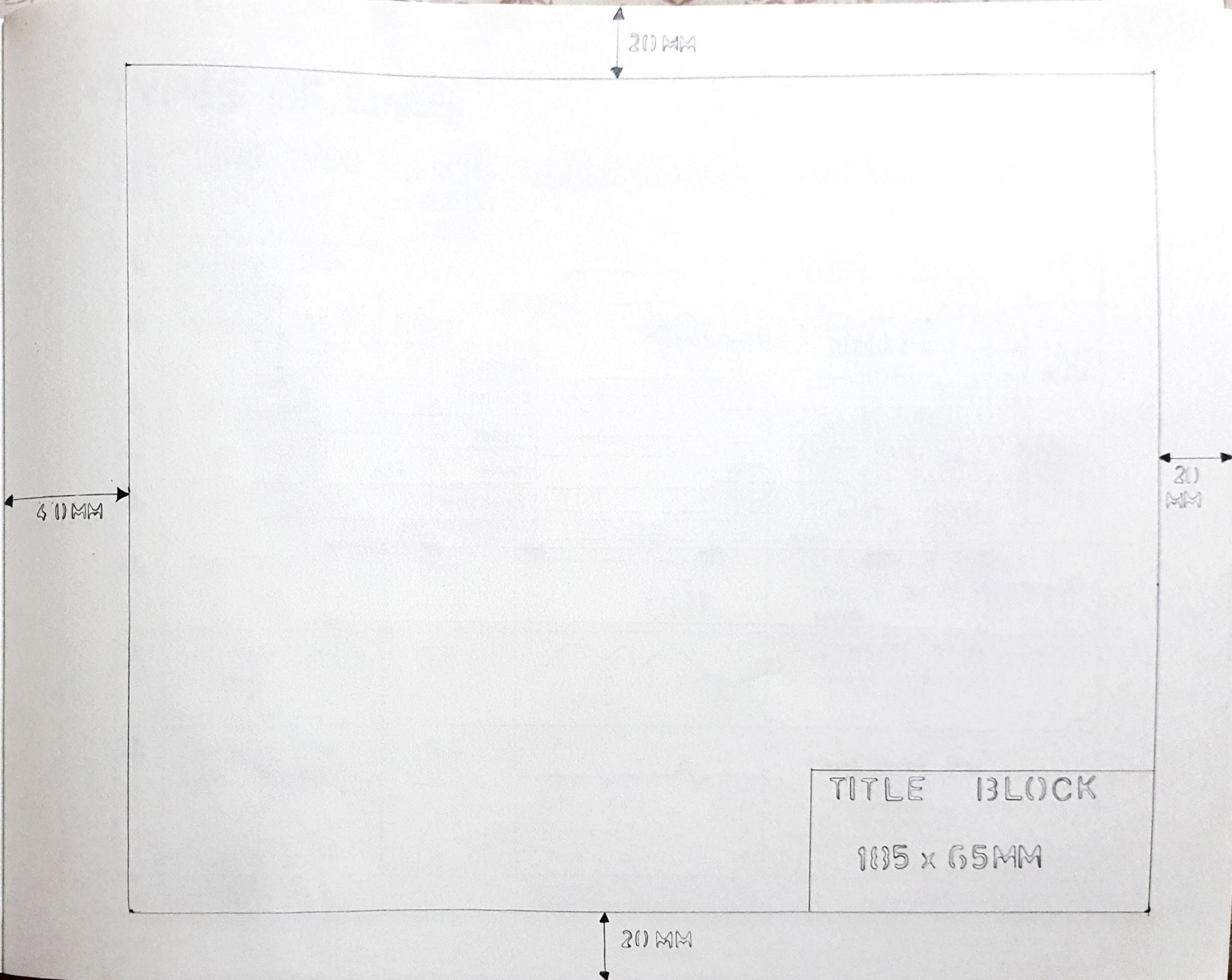
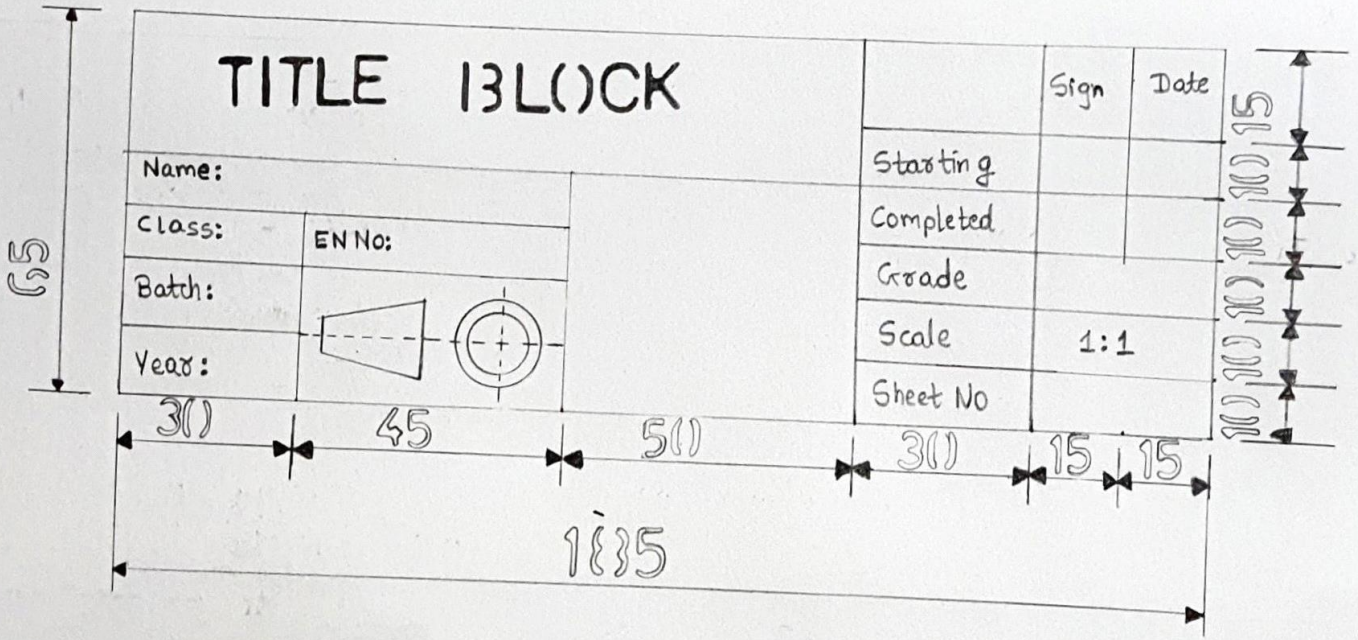
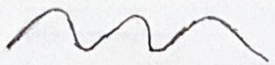
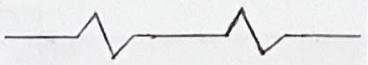
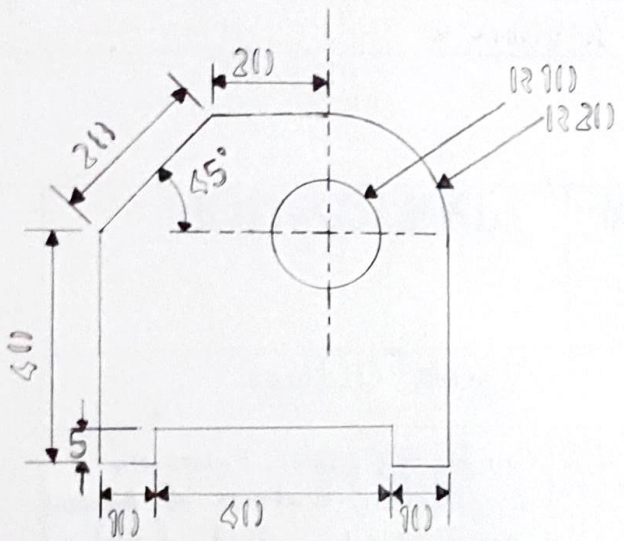

20 MM
40 MM
20 MM
TITLE BLOCK
185 x 65MM
20 MM

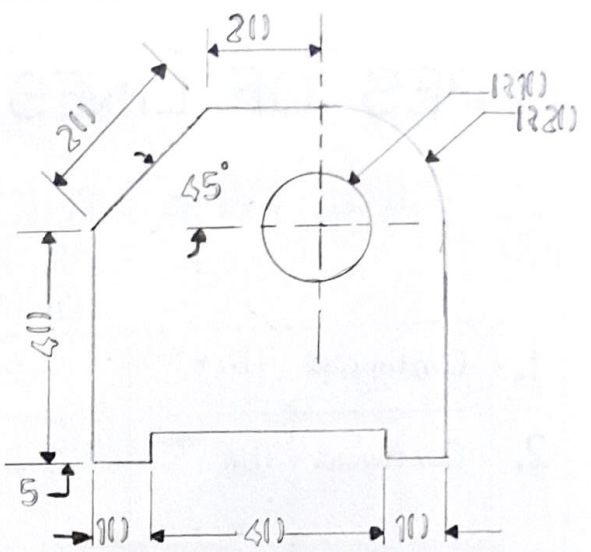

TITLE BLOCK
Name:
Class:
EN No:
Batch:
Year:
Starting
Completed
Grade
Scale
1:1
Sheet No
Sign
Date
65
30
45
50
30
15
15
135
15
10
10
10
10
10
10

• TYPES OF LINES

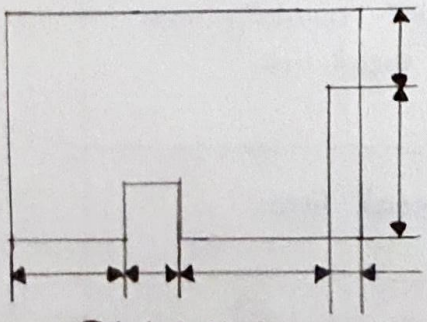
SR. NO	LINE TYPE	THICK-NESS (MM)	ILLUSTRATION	APPLICATION
1.	Continuous Thick	0.5		Visible Outlines.
2.	Continuous Thin	0.2		Dimension, Leader, Extension, Construction, Outlines of Adjacent Parts, Hatching, Revolved Section.
3.	Dashed Thin	0.2		Hidden Lines.
4.	Chain Thin	0.2		Centre lines, lines of Symmetry, Locus line, Pitch Circles.
5.	Chain Thin with Thick ends	0.2 thin, 0.5 for thick ends		Cutting Planes
6.	Chain Thick	0.2		Indication of Surface to which a special requirement applies.
7.	Continuous Thin Free hand	0.2		Irregular boudary lines. Short break line.
8.	Continuous Thin with zig zags.	0.2		Long break lines



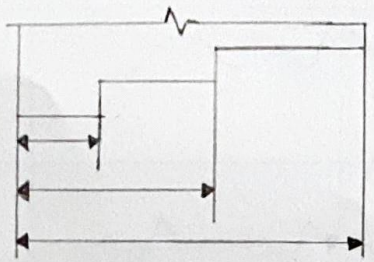
ALIGNED SYSTEM



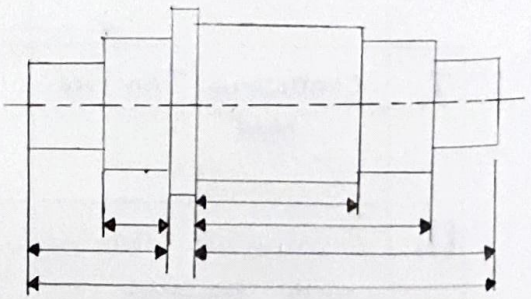
UNI-DIRECTIONAL SYSTEM



CHAIN DIMENSIONING



PARALLEL DIMENSIONING

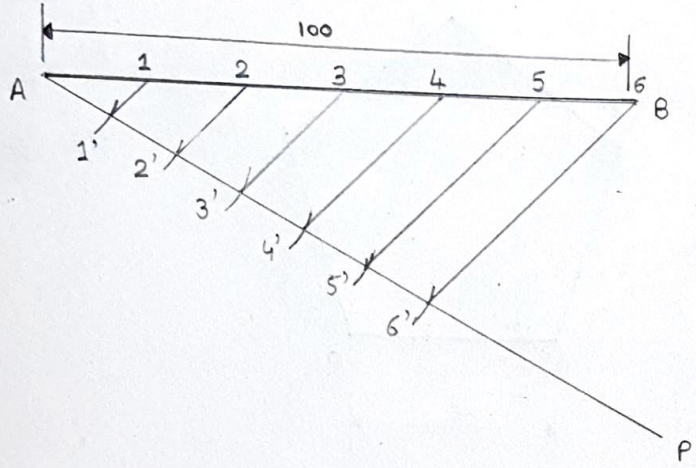


COMBINED DIMENSIONING

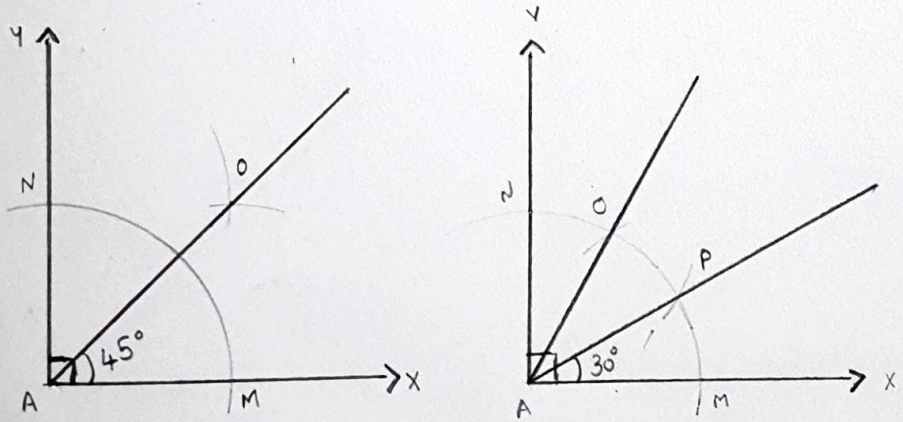
Dt. 5/4/21

• GEOMETRICAL CONSTRUCTION :-

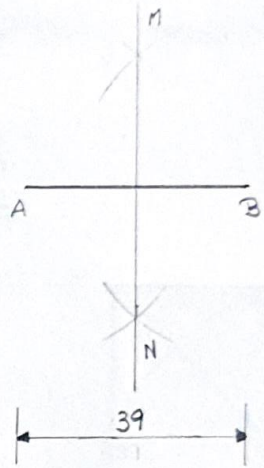
1. Divide a 100 mm long line into 6 equal parts.



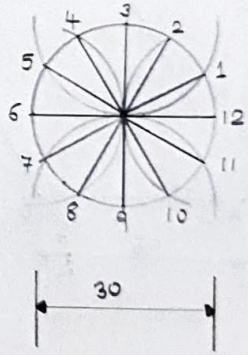
2. Bisect and Trisect a Right angle.



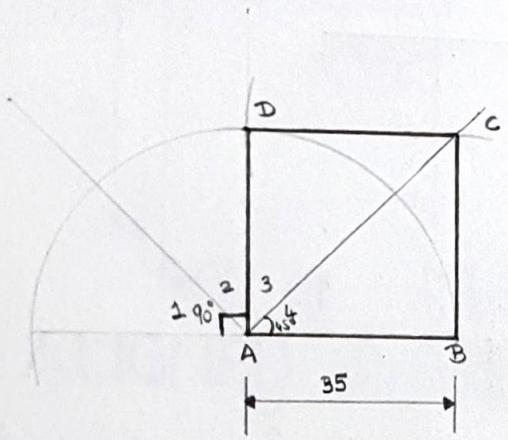
3. Bisect a line of 39mm length.



4. Divide the circle of diameter 30mm, into 12 equal parts with compass.



5 Construct a regular polygon, given the length of its side AB = 35mm.
Construct Square, Pentagon & Hexagon.

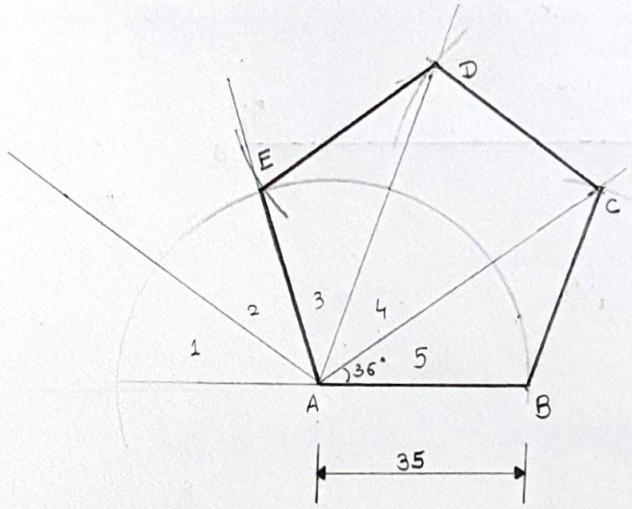


Square:-

$n = 4$

$\theta = \frac{360}{4} = 90^\circ$

$\theta_s = \frac{90}{2} = 45^\circ$

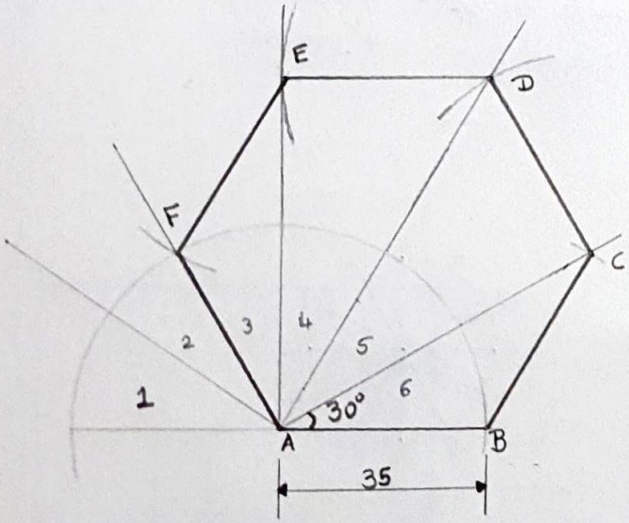


Pentagon:-

$n = 5$

$\theta = \frac{360}{5} = 72^\circ$

$\theta_p = \frac{72}{2} = 36^\circ$

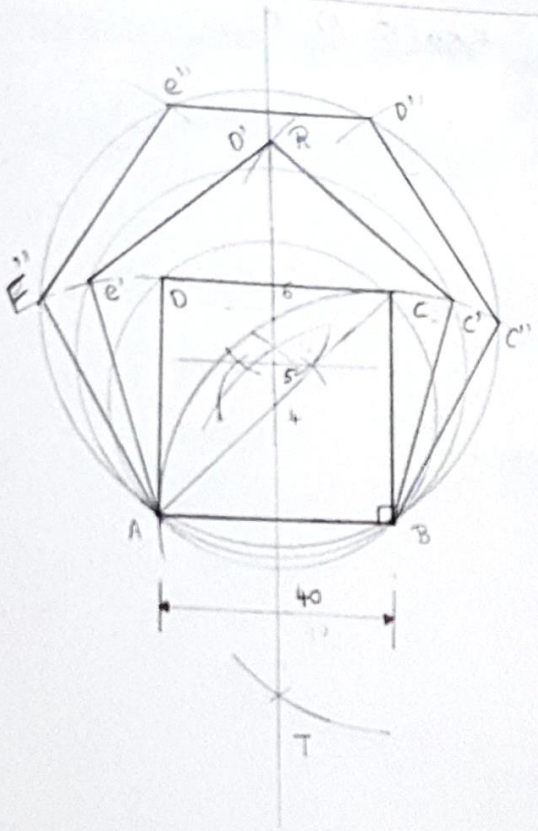


Hexagon:-

$n = 6$

$\theta = \frac{360}{6} = 60^\circ$

$\theta_h = \frac{60}{2} = 30^\circ$



6. Construct a Square, a regular Pentagon & a regular Hexagon in same figure taking AB = 40mm as a common side.

Centre	Radius
4	4A
5	5A
6	6A