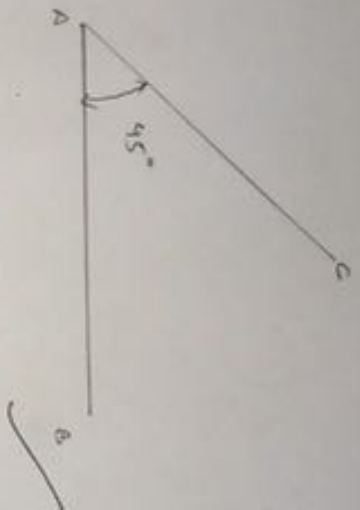
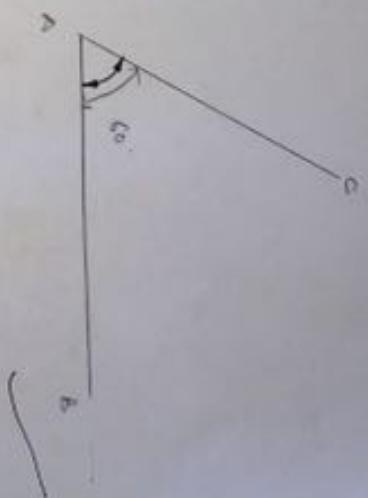


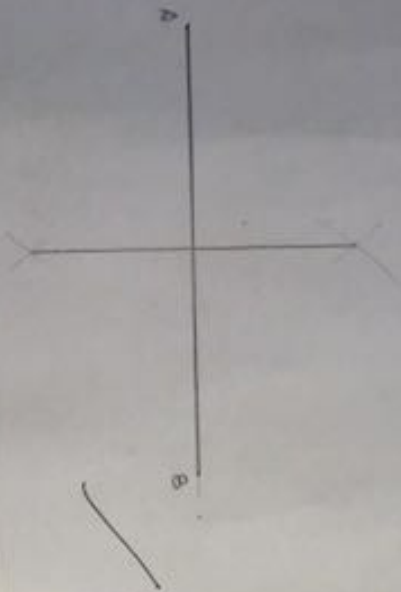
CONSTRUCTION OF 30° ANGLE



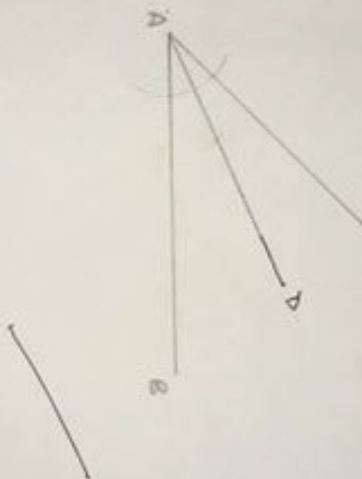
CONSTRUCTION OF 45° ANGLE



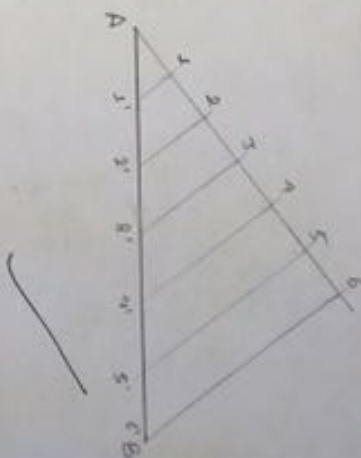
CONSTRUCTION OF 60° ANGLE



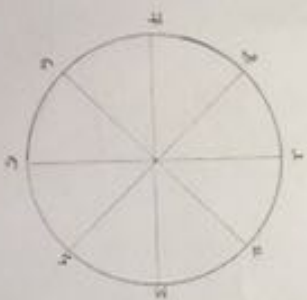
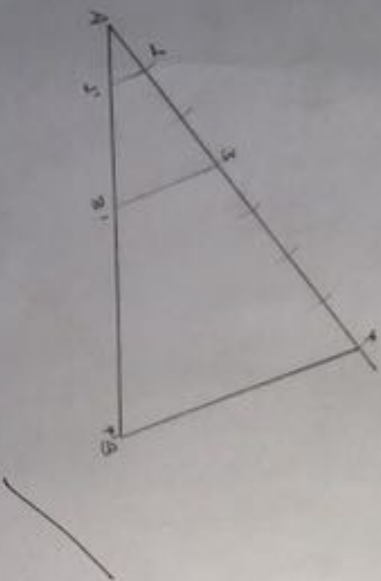
BISECTION OF LINE



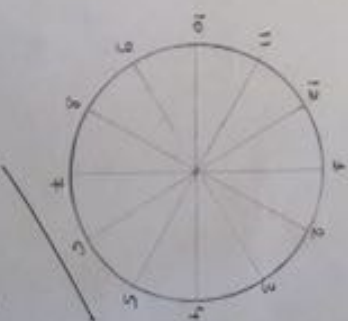
BISECTION OF ANGLE



DIVISION OF LINE INTO EQUAL PARTS



Equal



Equal

DIVISION OF LINE INTO RATIO (1:1:1:1)

DIVISION OF CIRCLE INTO 8 PARTS

DIVISION OF CIRCLE INTO 12 PARTS

NCIT

DRAWN BY NITESH MAHARAJAN

ROLL NO. 111120

DATE: 8 JUNE 2018

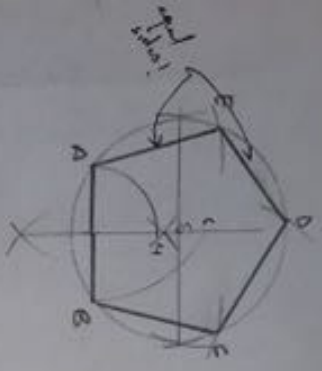
CHECKED BY: Dr.

BALKUMARI, LALITPUR

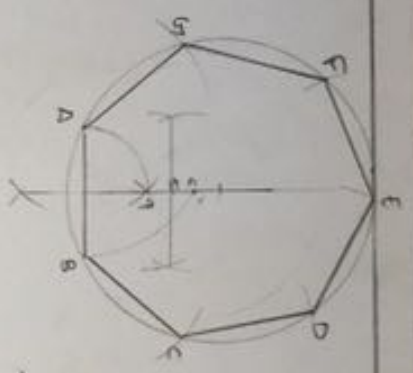
TITLE GEOMETRICAL CONSTRUCTION

PROGRAM SOFTWARE SCALE: 1:1

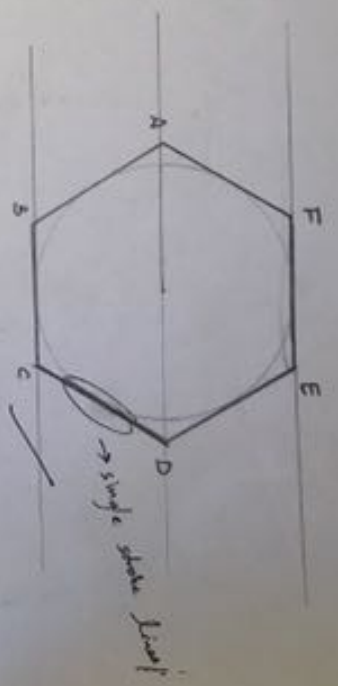
SHEET 1



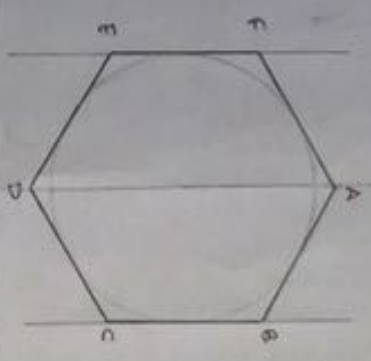
CONSTRUCTION OF PENTAGON



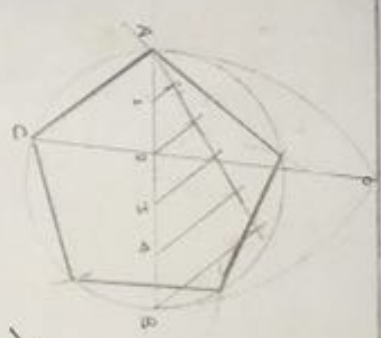
CONSTRUCTION OF HEPTAGON



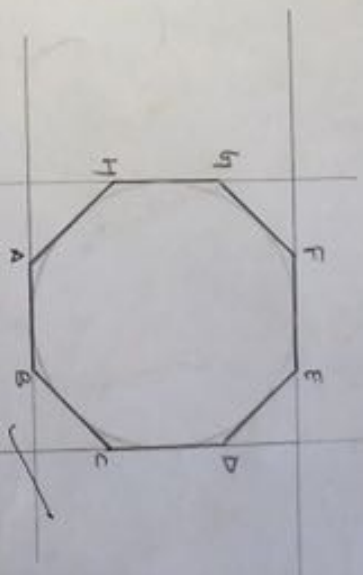
HEPTAGON CIRCUMSCRIBED OUTSIDE A CIRCLE



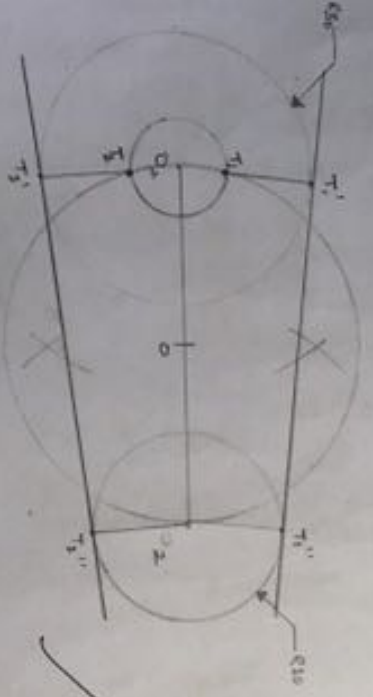
HEXAGON OUTSIDE A CIRCLE



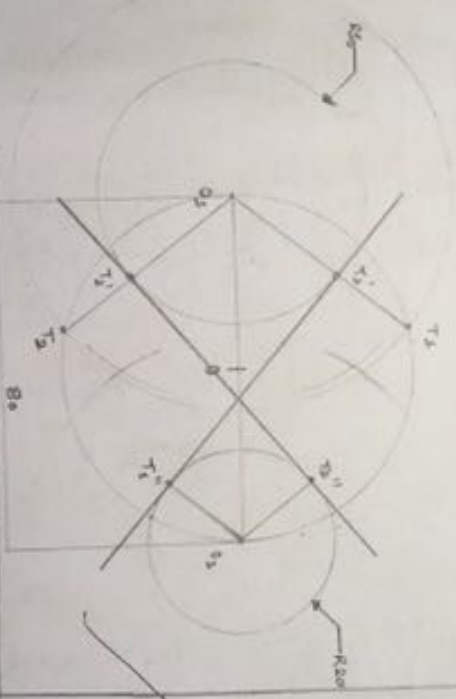
PENTAGON BY GENERAL METHOD (PENDANT METHOD)



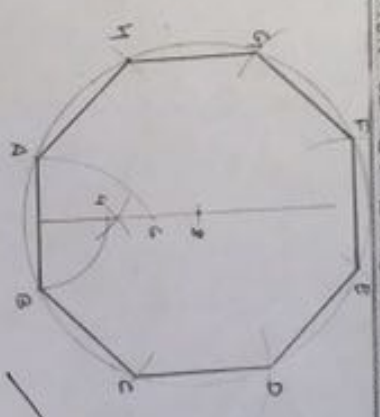
OCTAGON CIRCUMSCRIBED OUTSIDE A CIRCLE



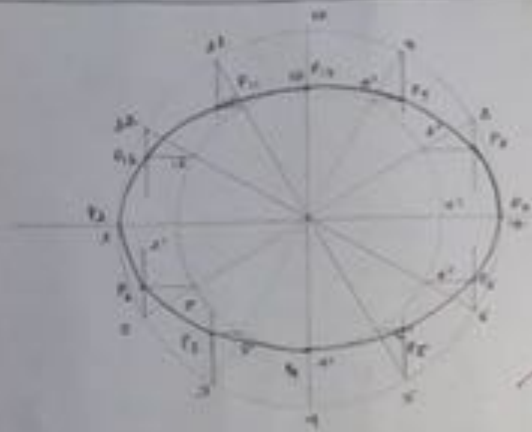
CROSSED TANGENT/OPEN BELT/EXTERNAL/DIRECT



CROSSED/INTERNAL/INDIRECT TANGENT



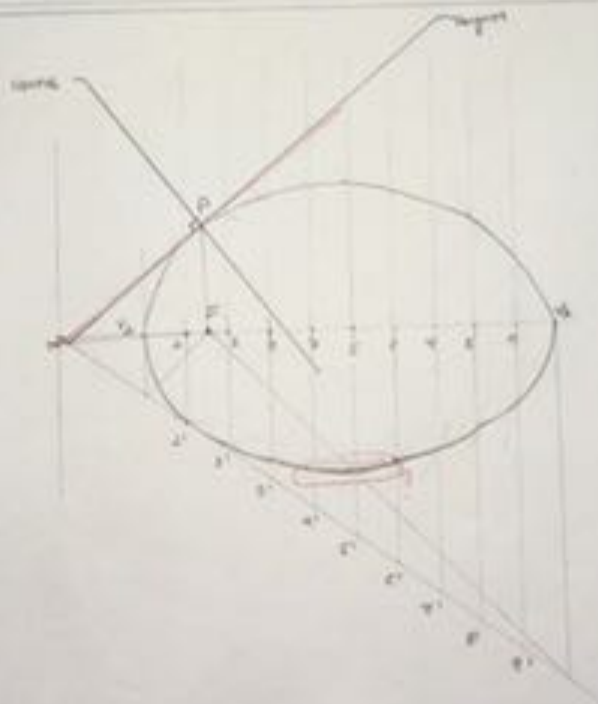
CONSTRUCTION OF OCTAGON



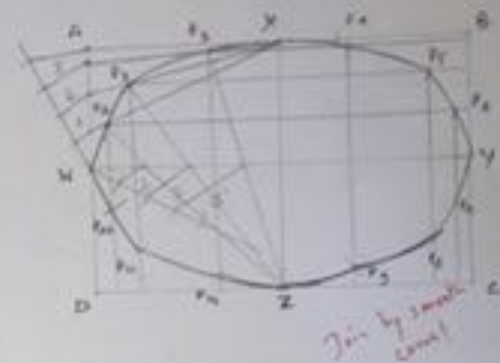
ELLIPSE BY CONCENTRIC CIRCLE METHOD



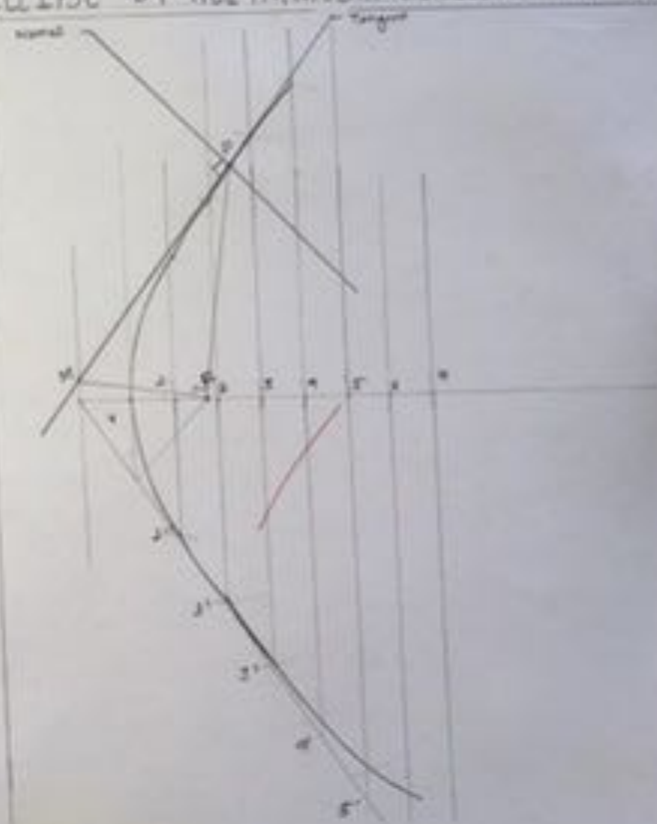
HYPERBOLA BY ECCENTRICITY METHOD



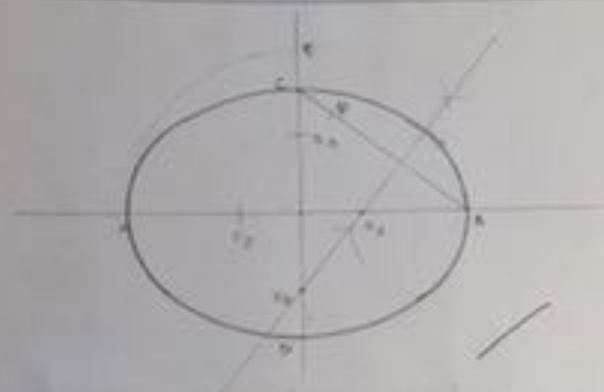
ELLIPSE BY ECCENTRICITY METHOD



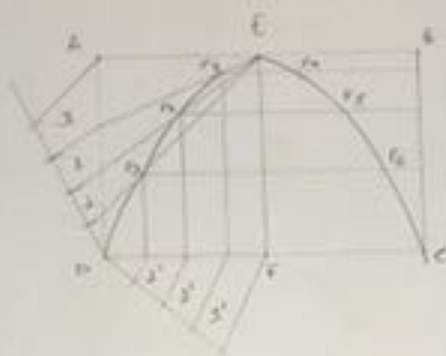
ELLIPSE BY RECTANGULAR (OBLIQUE) METHOD



HYPERBOLA BY ECCENTRICITY METHOD



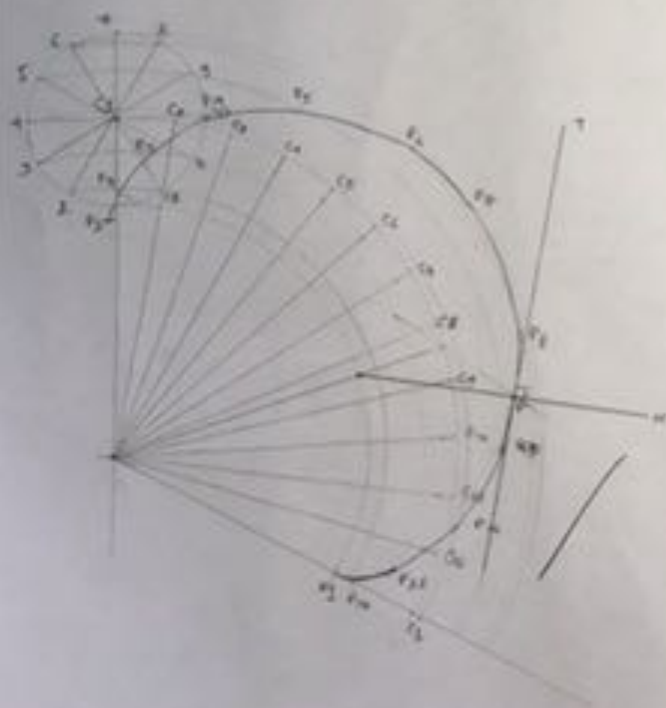
ELLIPSE BY FOUR CIRCLE



PARABOLA BY RECTANGULAR METHOD



CYCLOID



EPICYCLOID



HYPOCYCLOID

NAME NITESH MAHARIAN

ROLL No: 131320

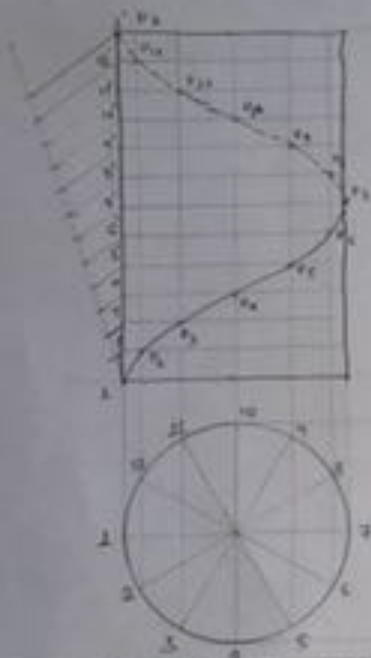
PROGRAM SOFTWARE

DATE: 22 JUNE 2018

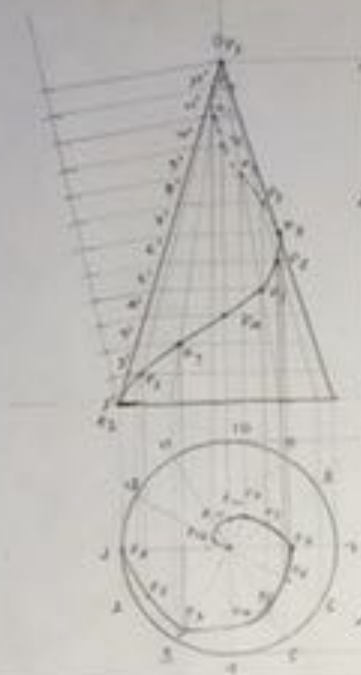
SCALE: 1:1

CHECKED BY:

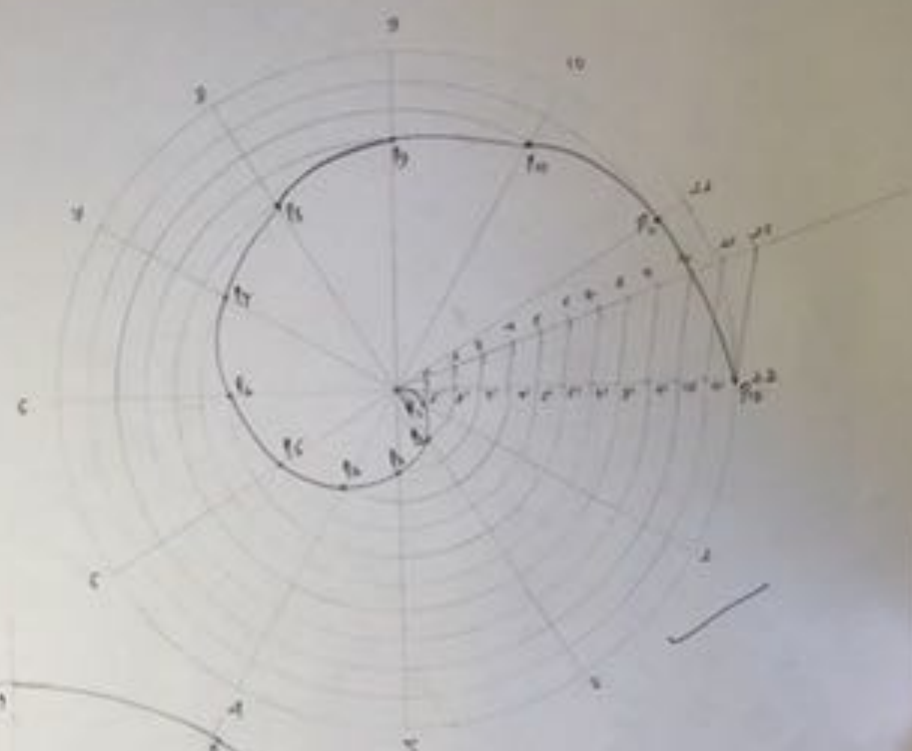
SHEET: 4



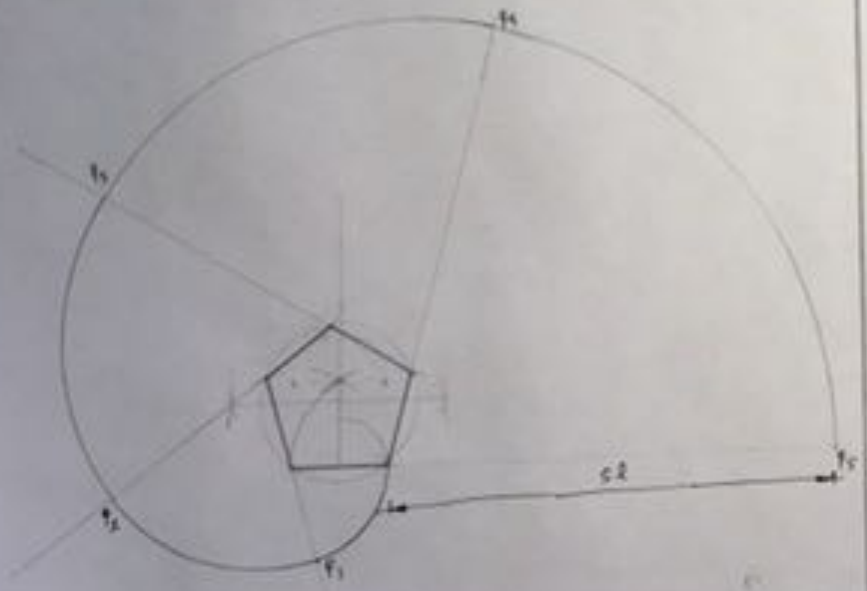
CYLINDRICAL HELIX



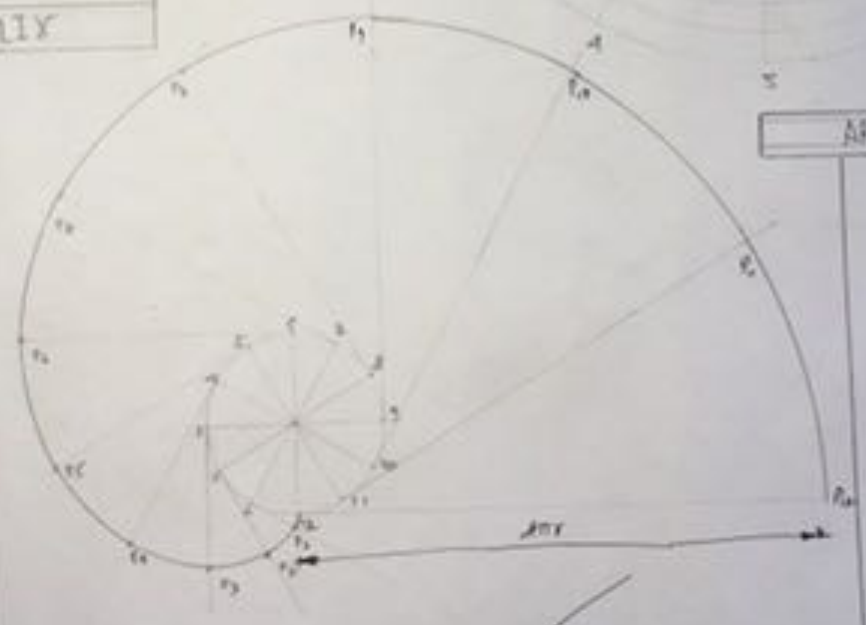
CONICAL HELIX



ARCHIMEDEAN SPIRAL



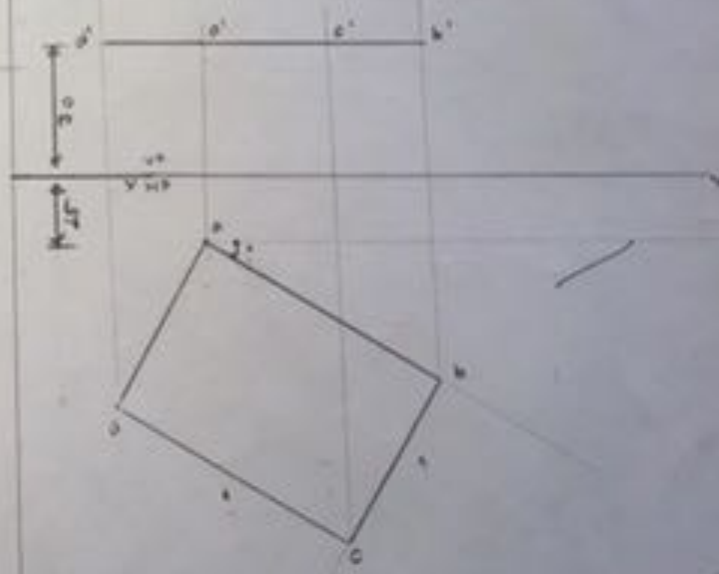
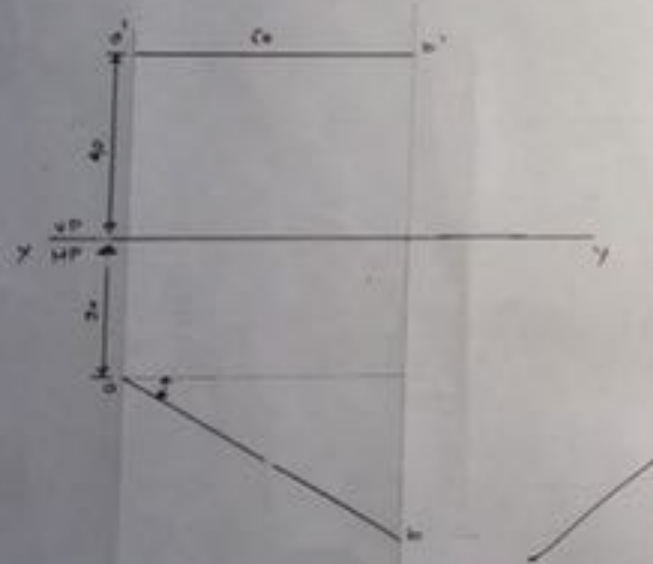
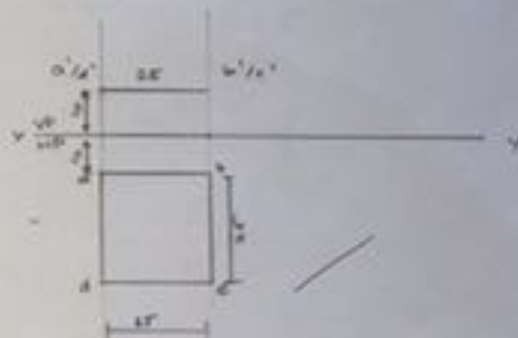
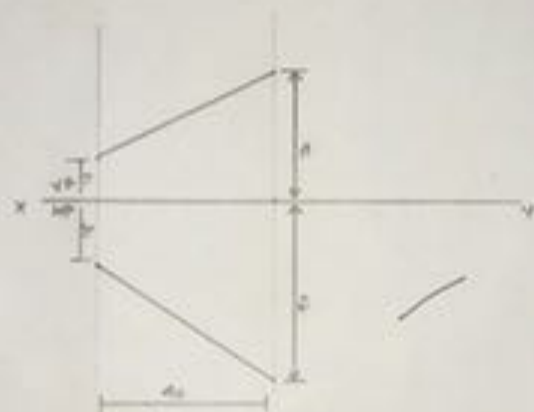
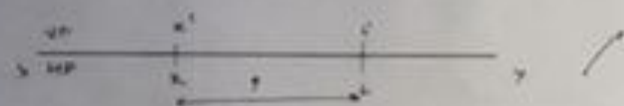
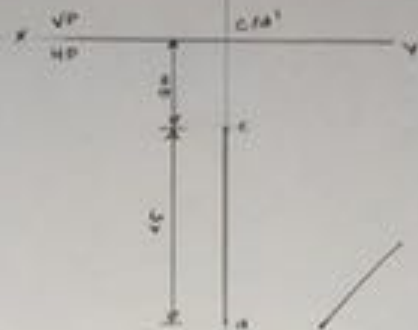
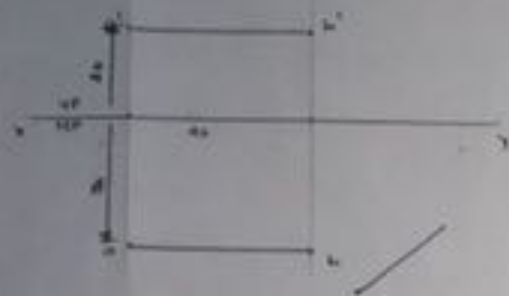
INVOLUTE OF PENTAGON

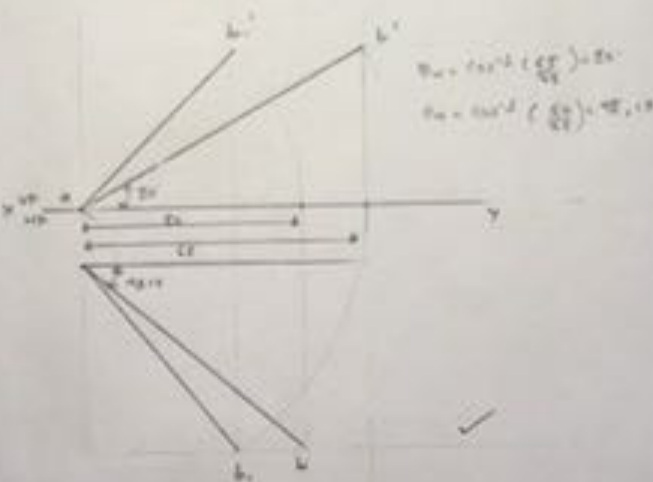
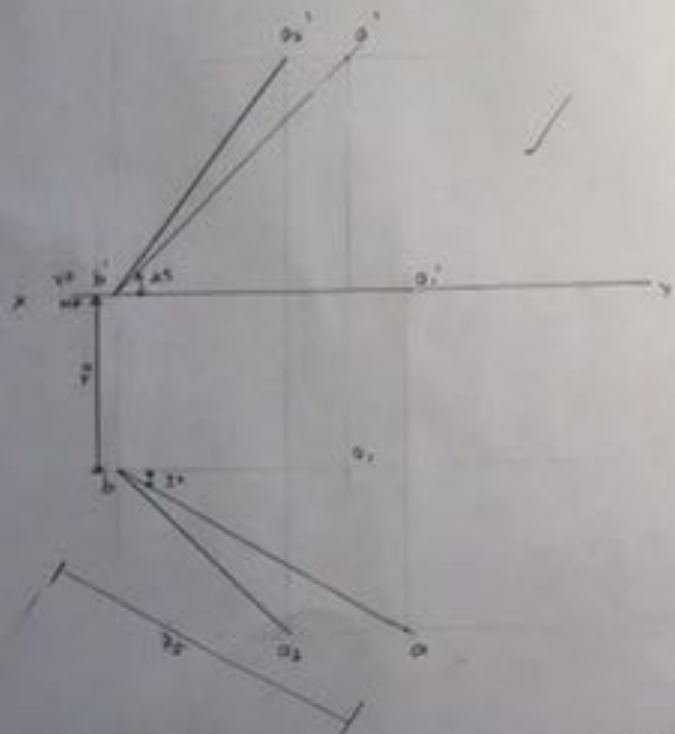
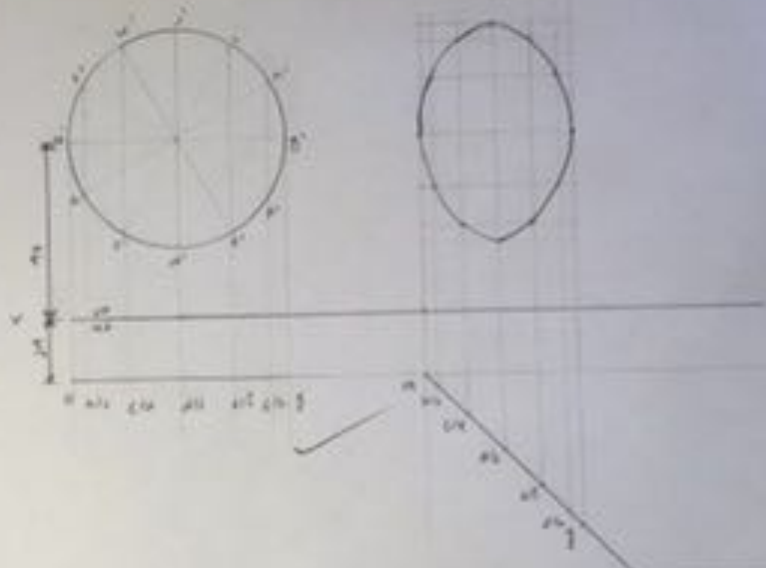
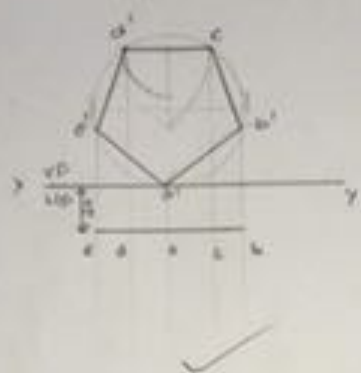
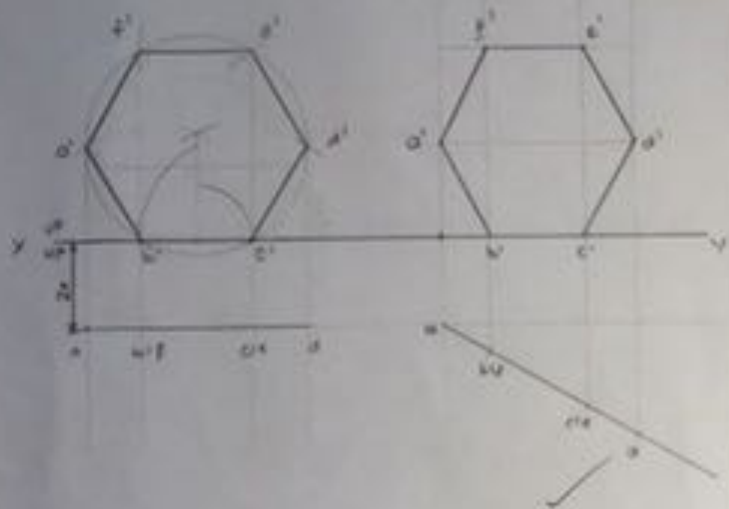


INVOLUTE OF CIRCLE



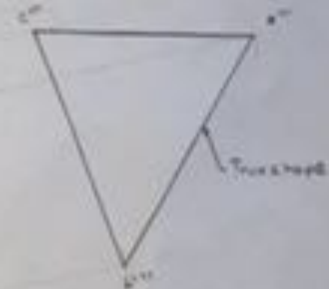
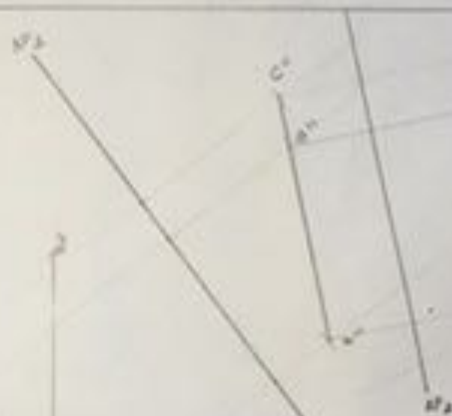
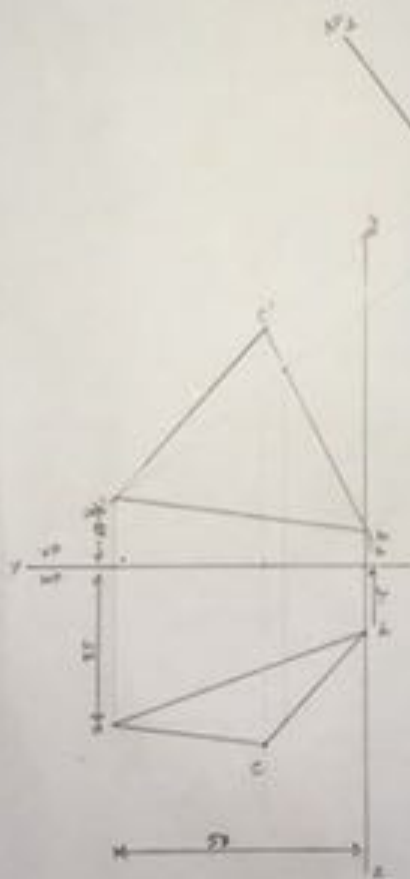
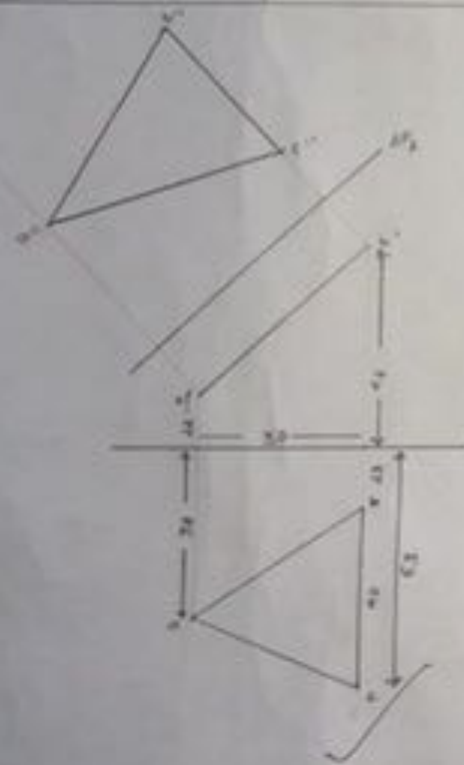
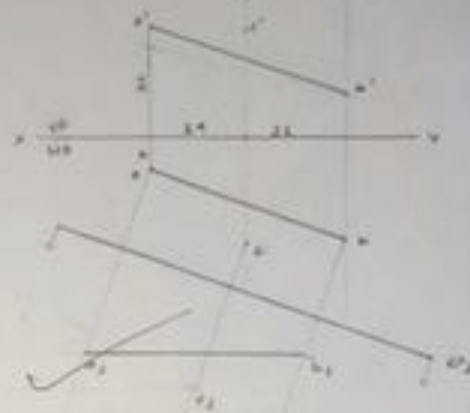
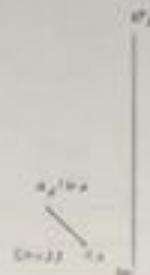
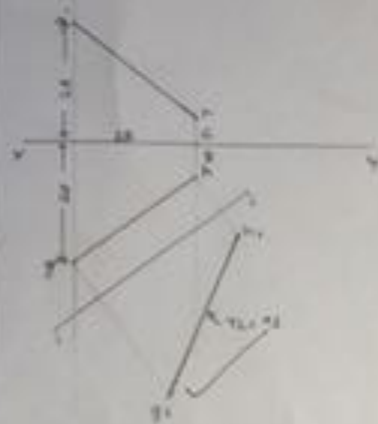
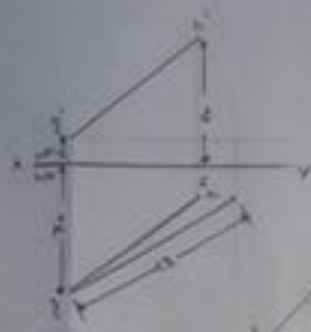
INVOLUTE OF LINE

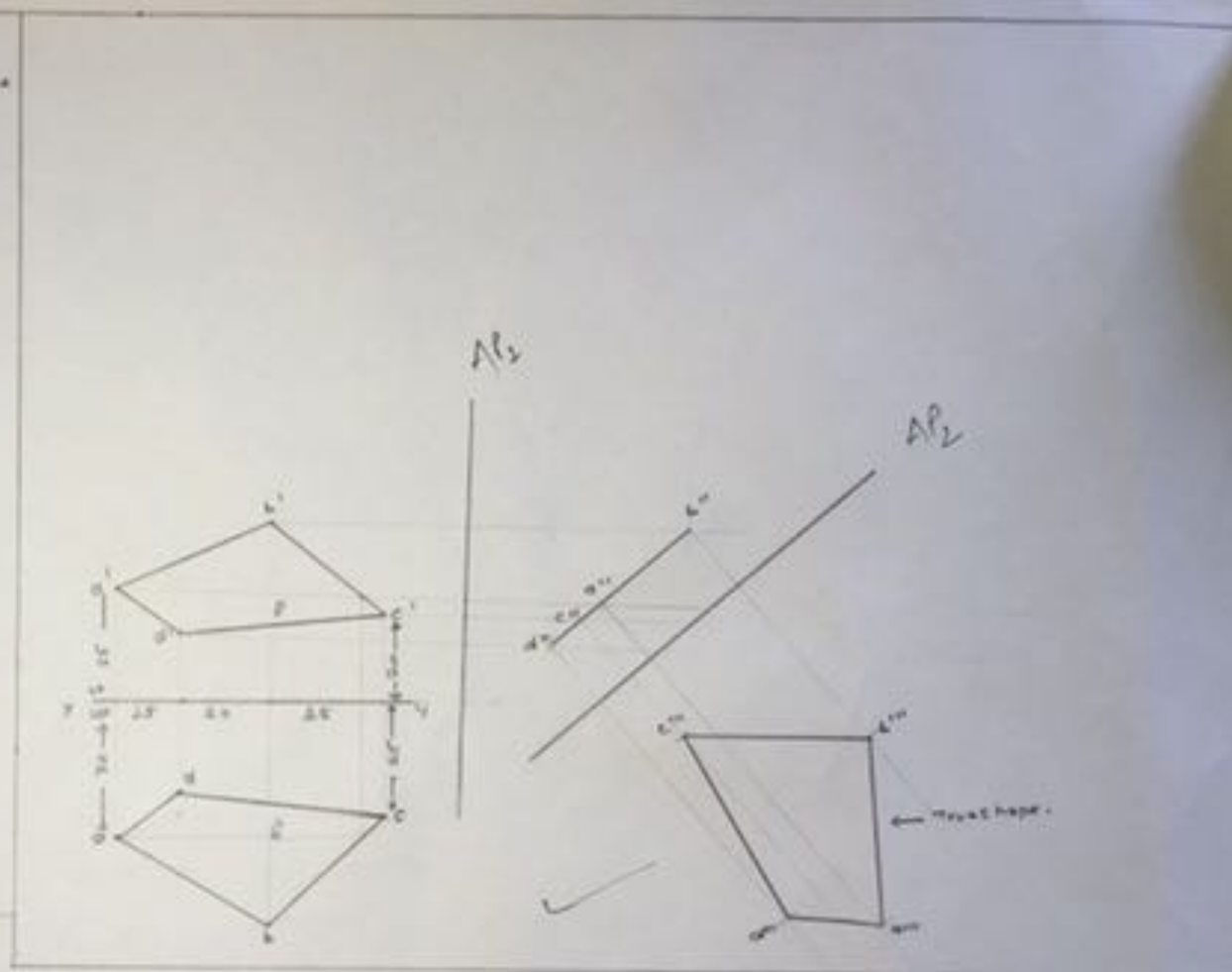
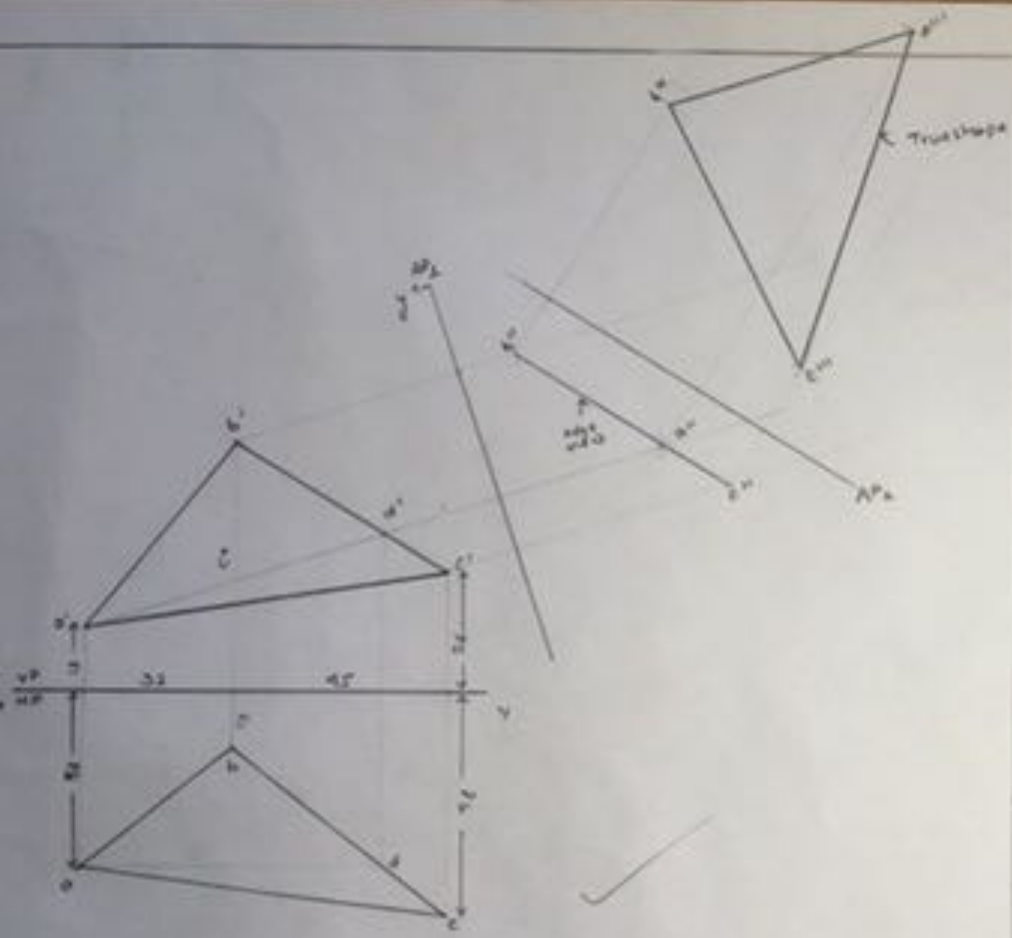


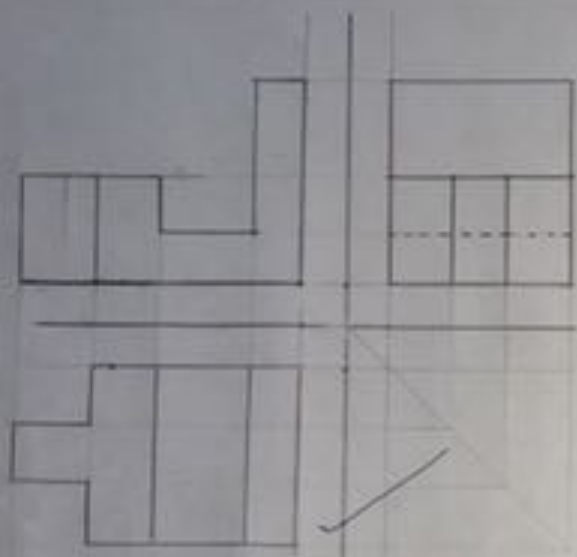


$$\theta_{a'} = \tan^{-1} \left(\frac{a'b'}{a'b} \right) = 25^\circ$$

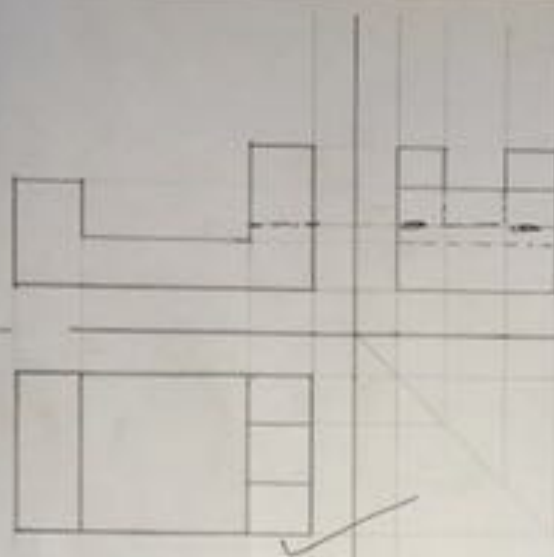
$$\theta_{b'} = \tan^{-1} \left(\frac{b'b'}{b'b} \right) = 45^\circ$$



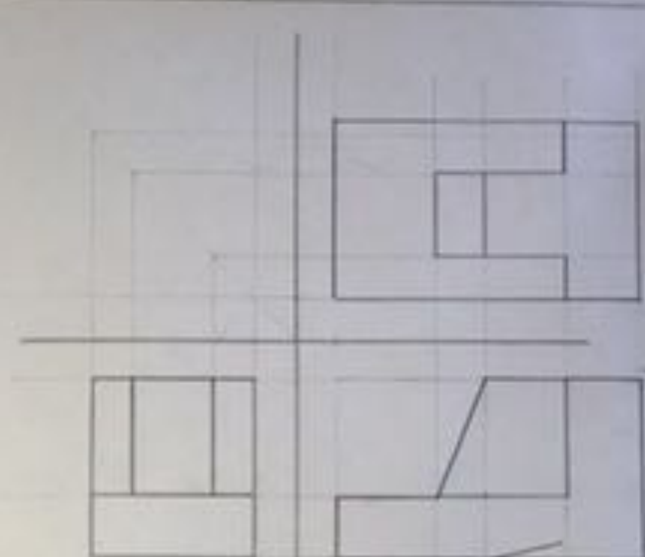




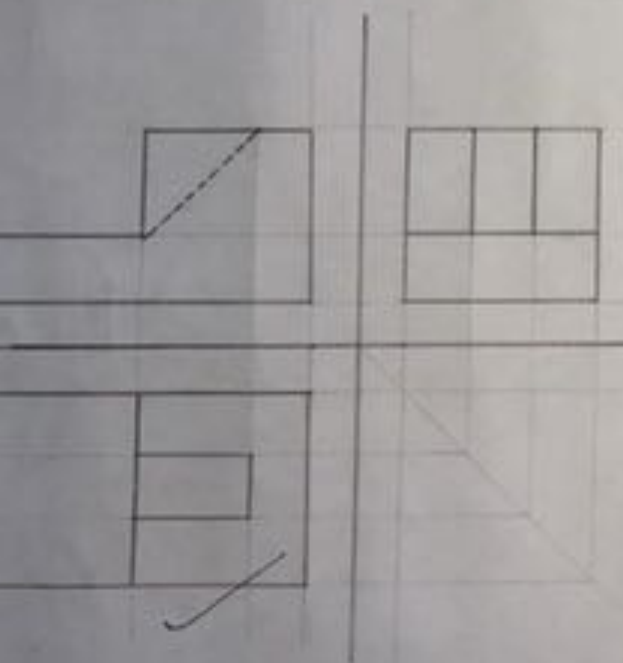
1° PROJECTION



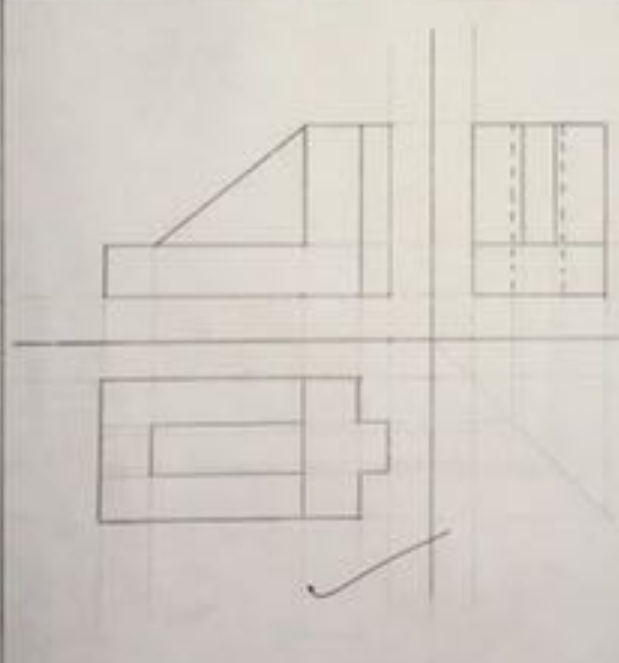
1° PROJECTION



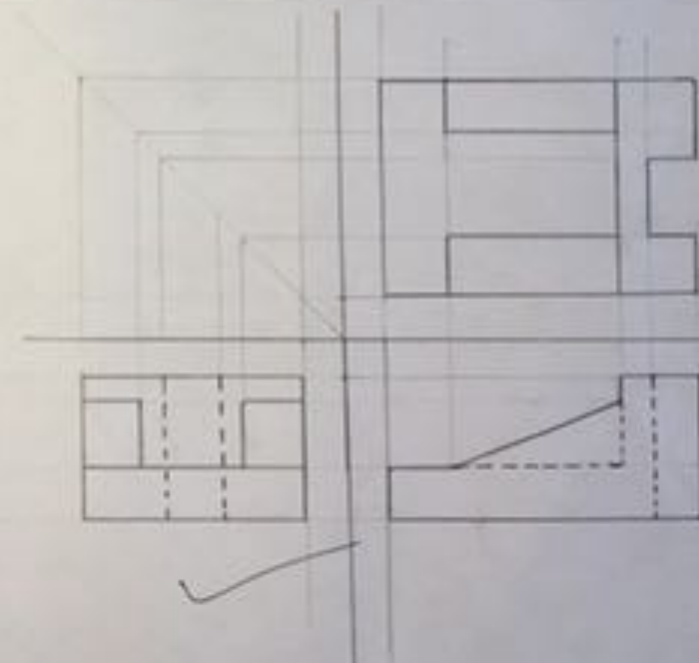
3° PROJECTION



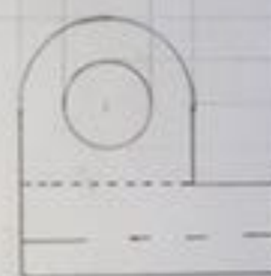
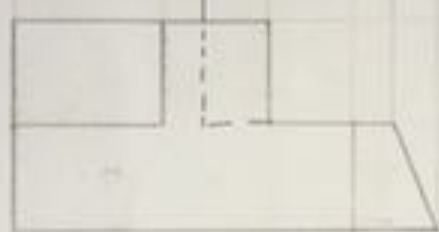
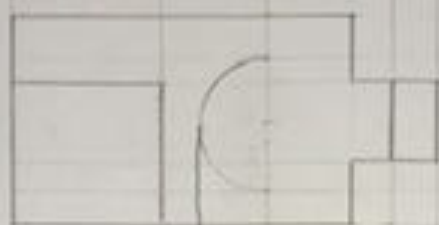
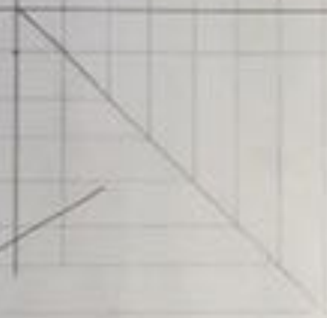
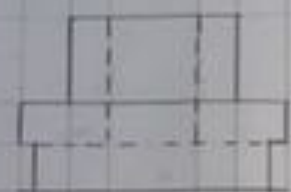
1° PROJECTION



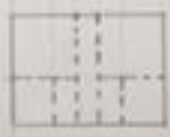
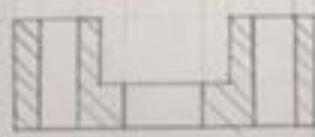
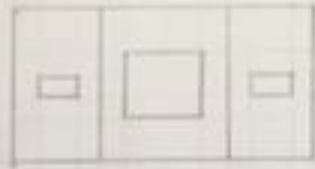
1° PROJECTION



3° PROJECTION

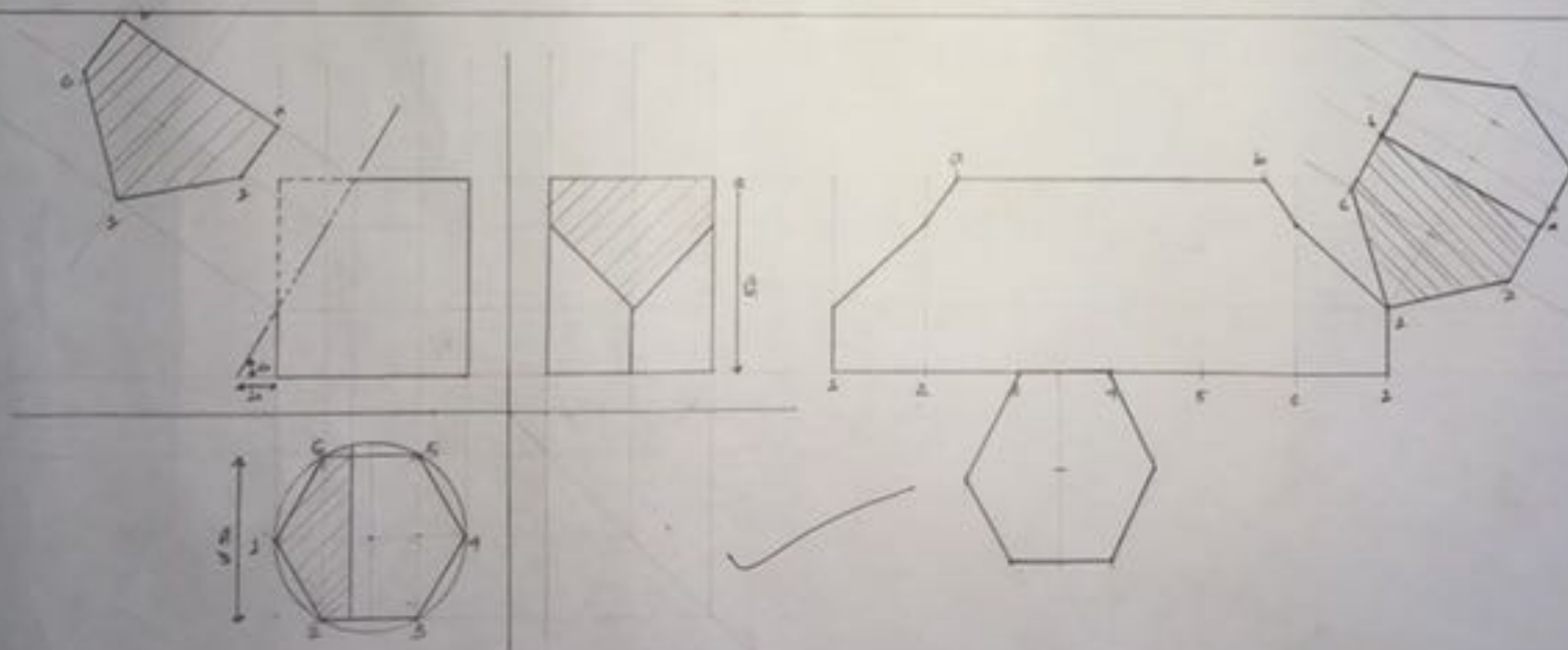
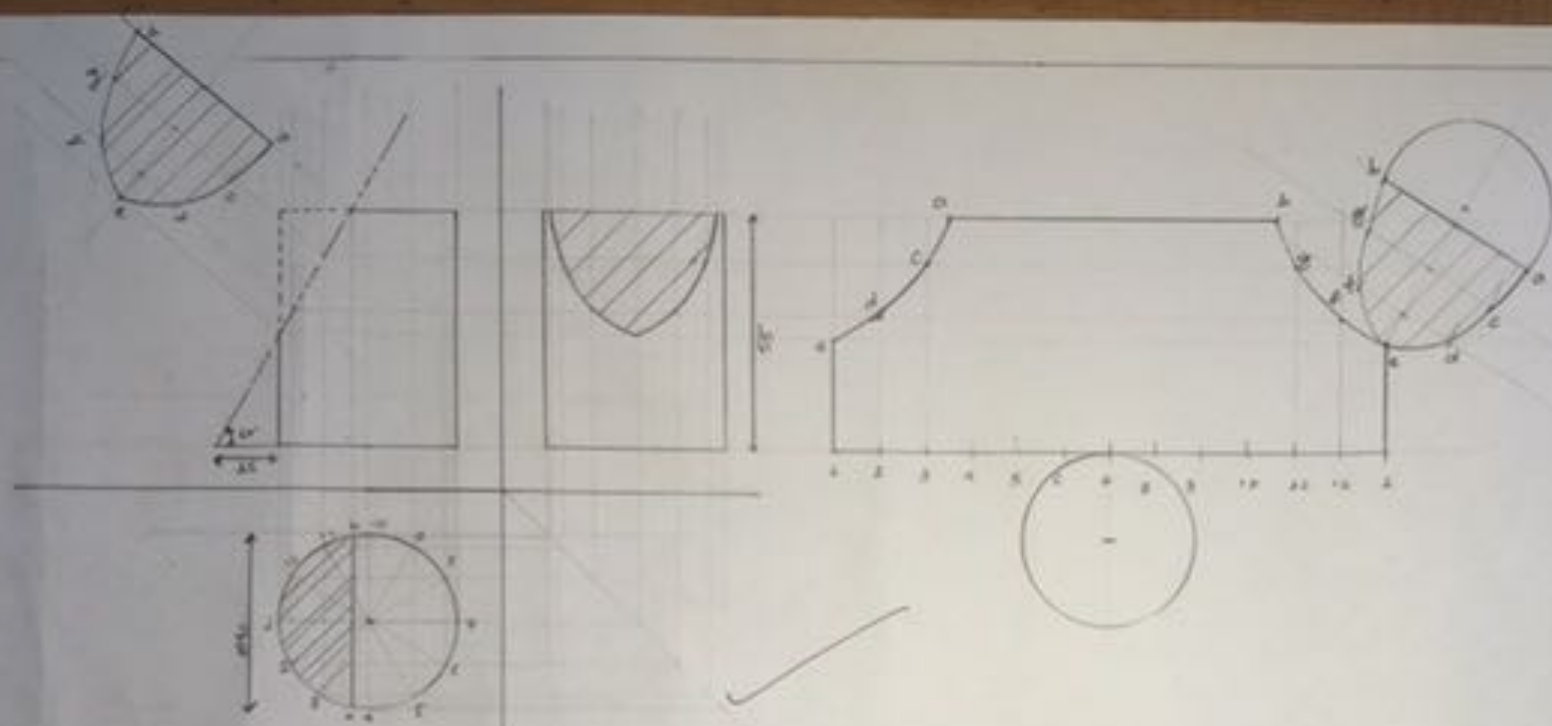


Draw again



Dimensions?

8/9/7



NCTT

BALUWART, LALITPUR

NAME: NITESH MAHARJAN

TITLE: SURFACE DEVELOPMENT

ROLL NO: 131320

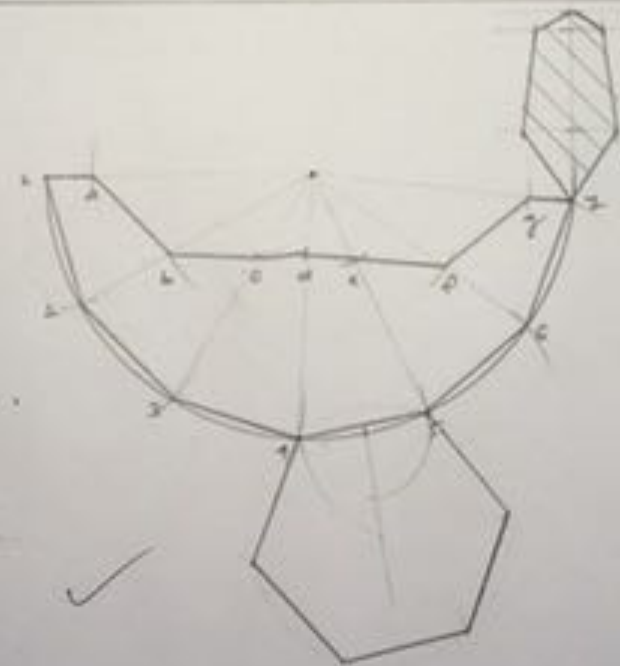
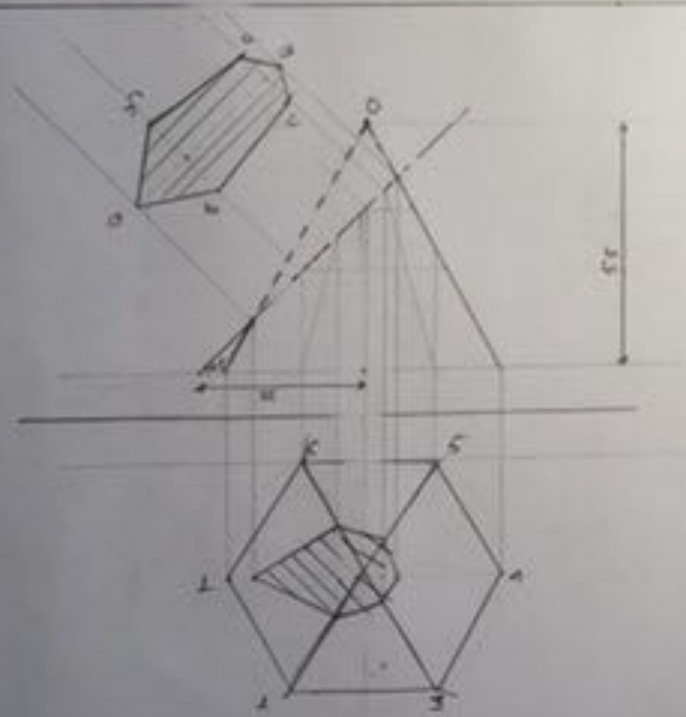
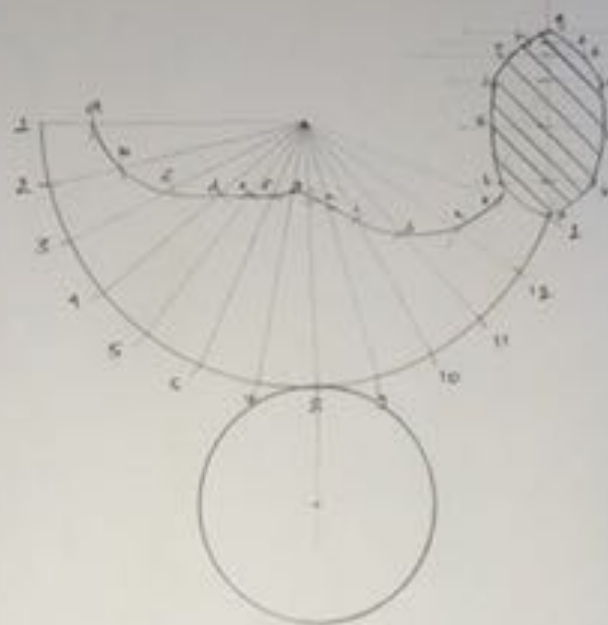
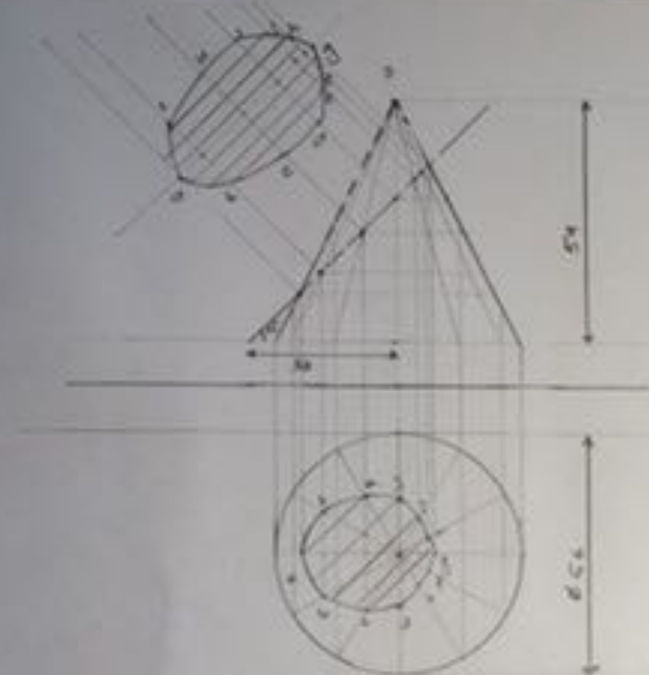
SCALE: 1:1

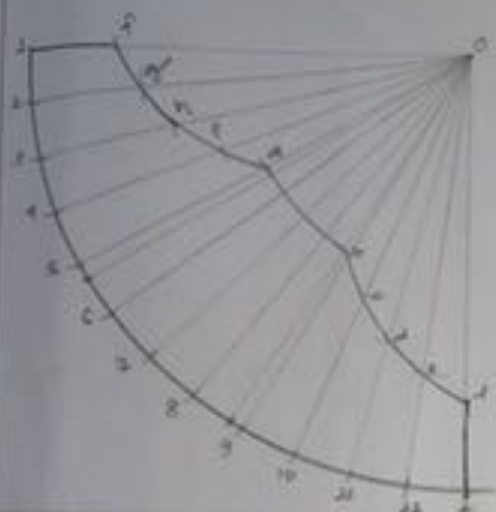
DATE: 20th JULY 2018

PROGRAM: SE (DAY)

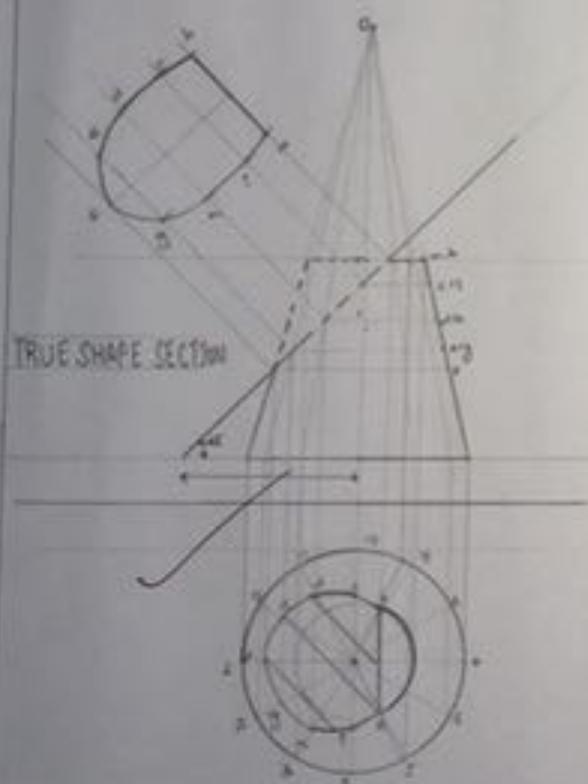
CHECKED BY: *[Signature]*

SHEET: 10



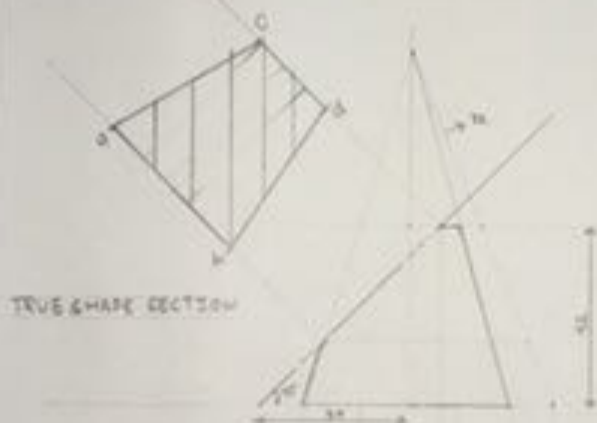


LATERAL SURFACE DEVELOPMENT

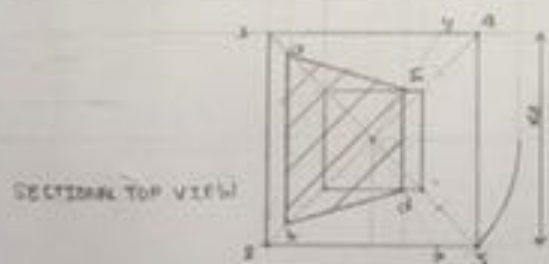


TRUE SHAPE SECTION

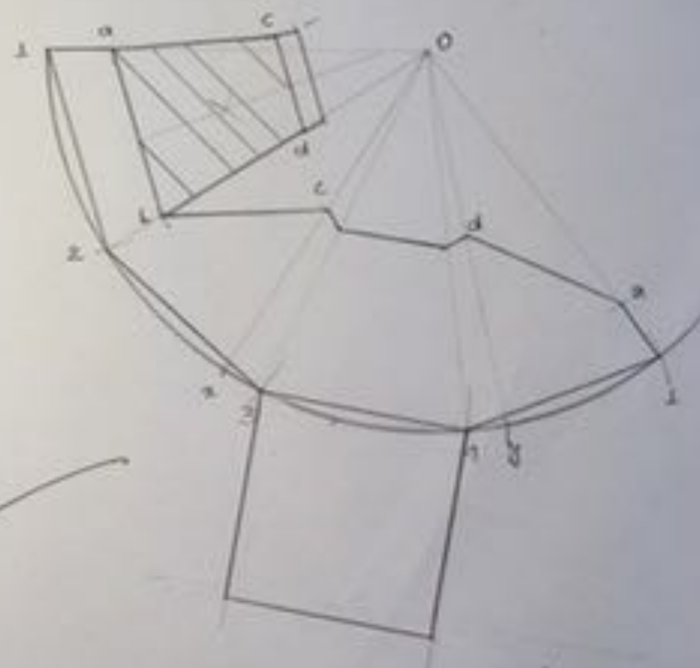
SECTIONAL TOP VIEW

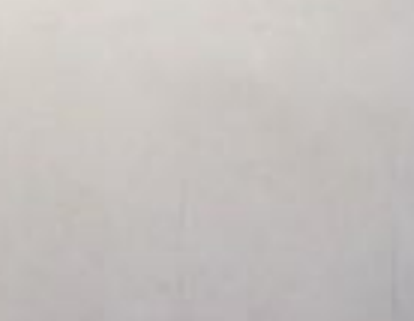
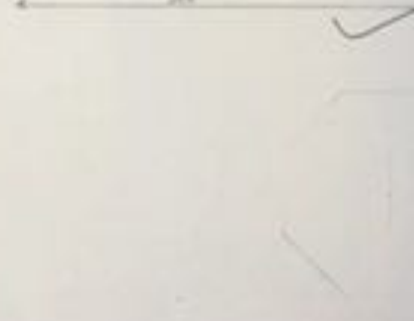
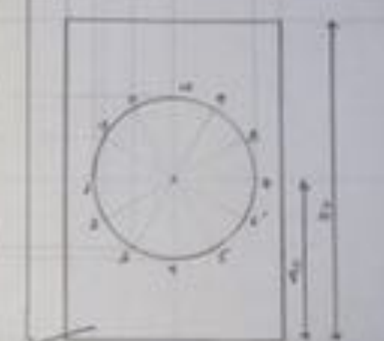
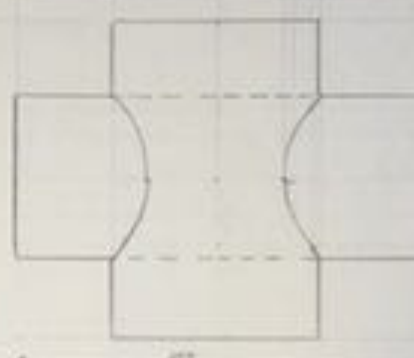
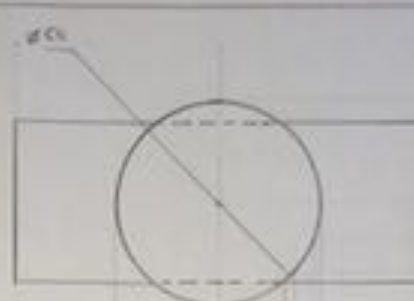
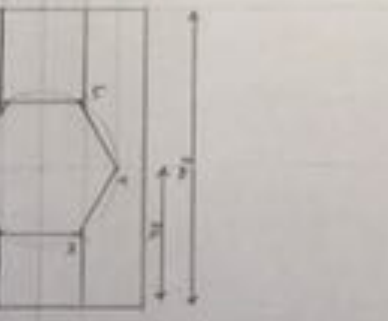
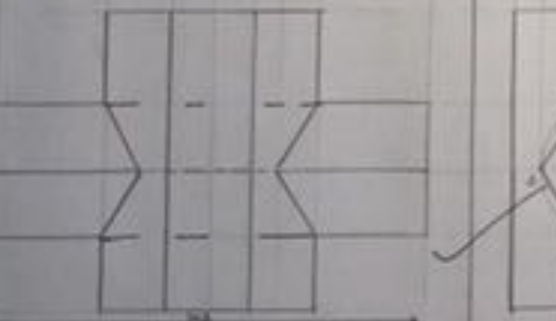
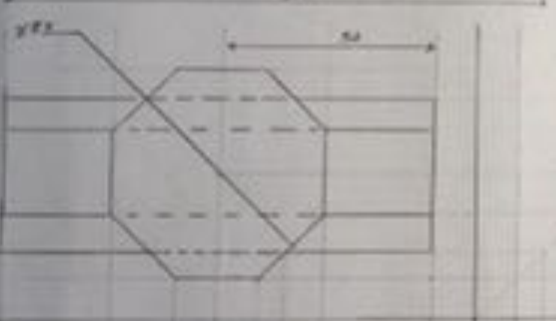
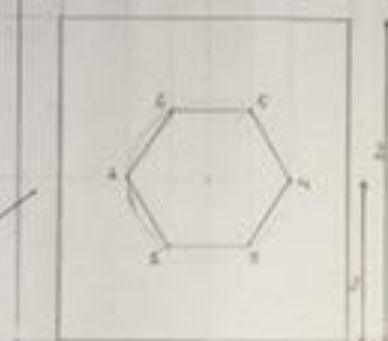
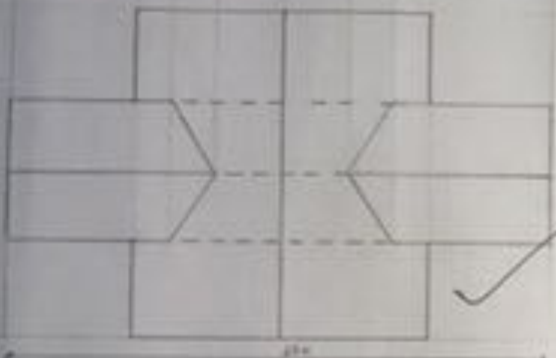
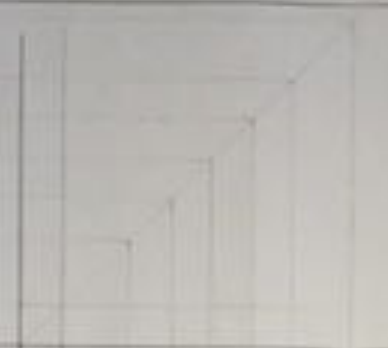


TRUE SHAPE SECTION



SECTIONAL TOP VIEW





NCIT

BALKUMARI, LALITHUR

DRAWN BY: NITESH MAHARJAN
TITLE: INTERSECTION

ROLL NO: 131320
PROGRAM: SE (DAY)

DATE: 30th JULY 2018
SCALE: 1:1

CHECKED BY:
SHEET: 13 4122

