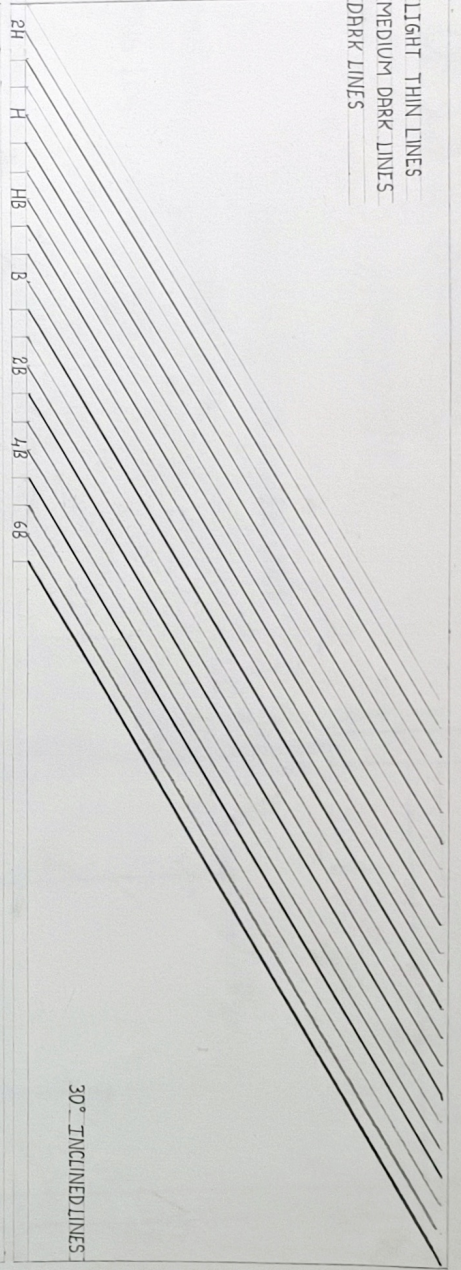


VERTICAL LINES

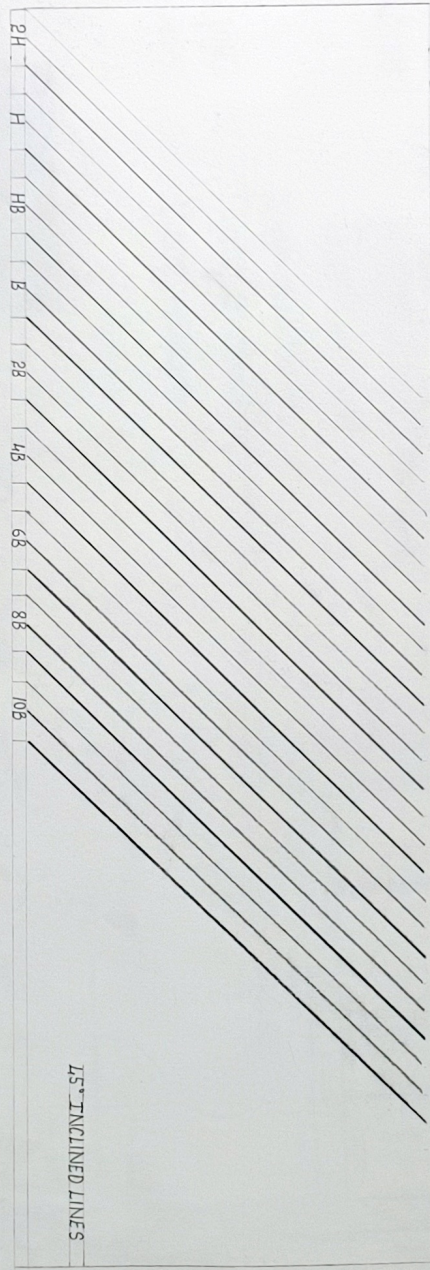


HORIZONTAL LINES

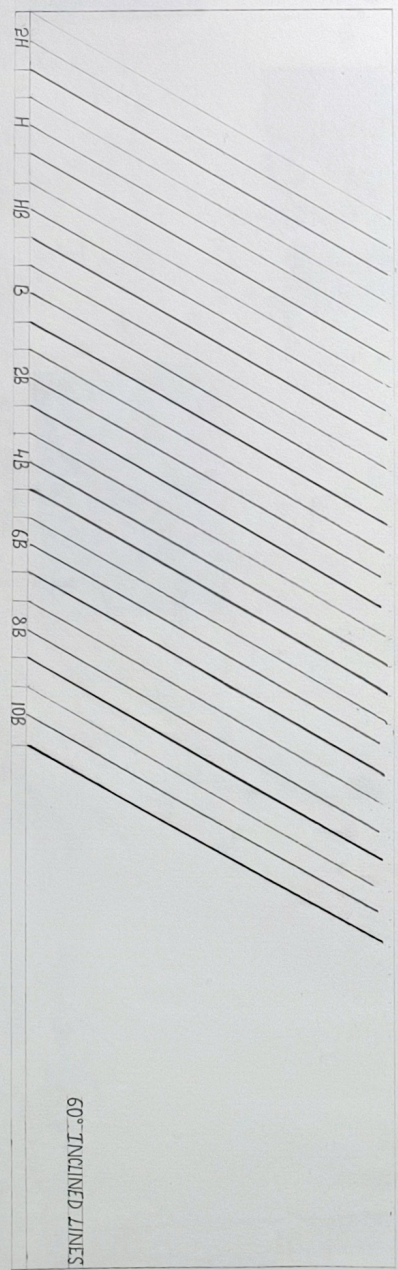
LIGHT THIN LINES
 MEDIUM DARK LINES
 DARK LINES



30° INCLINED LINES



45° INCLINED LINES



60° INCLINED LINES

ARCHITECTURAL GRAPHICS

27 MARCH 13

Handwritten note: 2/10/23
 Had few more lines

Handwritten signature: 2/10/23

SHEET NO: 1 NAME: NAMRATHA. S

USN

CLASS : 1 SEM BARCH B-SEC

DATE : 13-10-2023

Handwritten signature: 2/10/23

APPLICATION OF LINE WEIGHT

TYPES OF LINE	APPLICATION
THIN CONTINUOUS LINE	CONSTRUCTION LINE, GUIDE LINES
MEDIUM THIN CONTINUOUS LINE	ELEVATION LINES
DARK THIN CONTINUOUS LINE	CUT PARTS
VERY DARK LINE	POSITION OF SECTION PLANE
DARK AT ENDS - SECTIONAL LINE	POSITION OF Z-SECTION PLANE
ZIG-ZAG - SECTIONAL LINE	HIDDEN PARTS
DASHED LINE	CONTINUITY LINES
BREAK LINE	LINE OF SYMMETRY
CENTRE TO CENTRE LINE	SITE BOUNDARY
BOUNDARY LINE (DARK)	



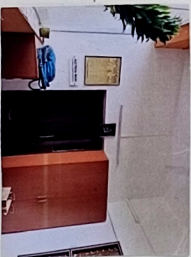
FRONT VIEW



PLAN AND SECTION OF
CAMPUS ENGINEER ROOM/
OF RV COLLEGE OF ARCHITECTURE,
CHIKKAGOUDANPALYA,
BENGALURU - 560062

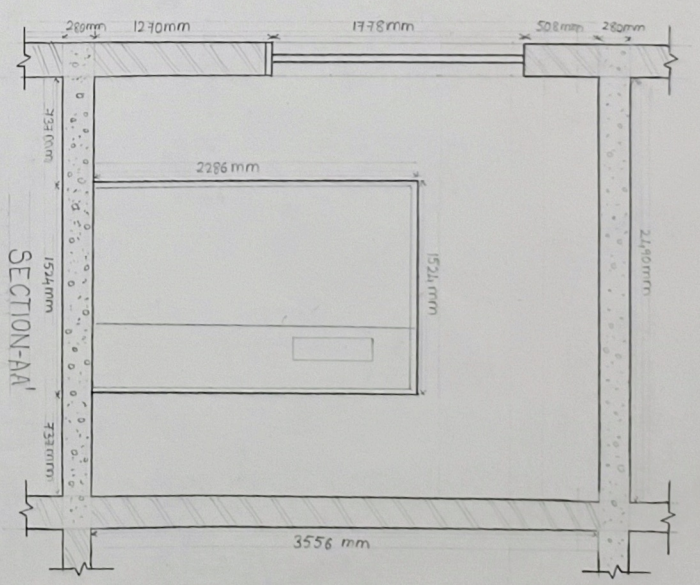


CAMPUS ENGINEER ROOM

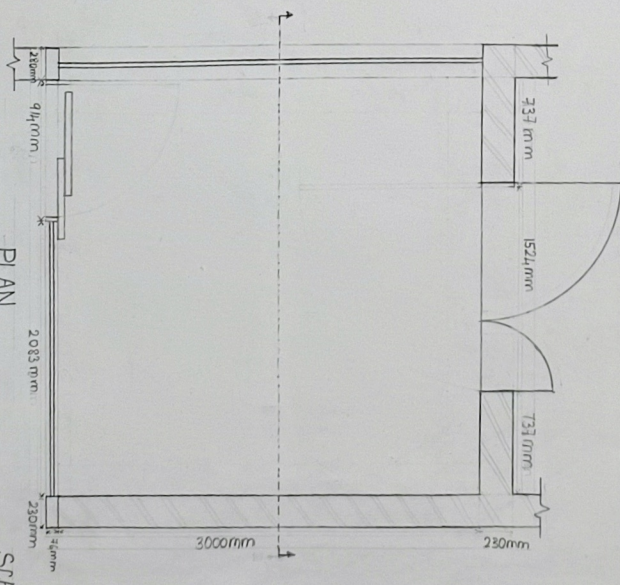


SECTION

ALL MEASUREMENTS ARE
IN mm
SCALE : 1 : 20



SECTION-A-A



PLAN

SCALE : 1 : 20

ARCHITECTURAL GRAPHICS APPLICATION OF LINE WEIGHT

(21ARCT11)

SHEET NO-3 NAME : NAMRATHA.S

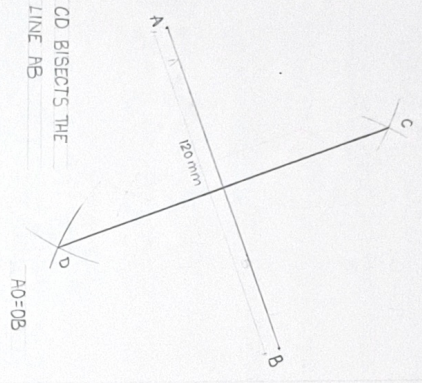
USA
CLASS : 1SEM BARCH BSEC
DATE : 27-10-2023

7/5
5/4
10
24/11/23

Improve.

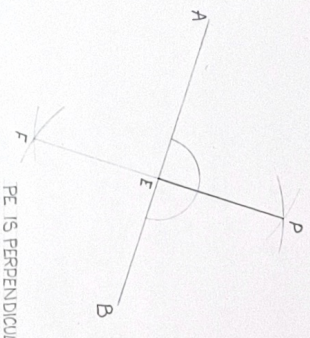
3/21

BISECTING A GIVEN LINE AB



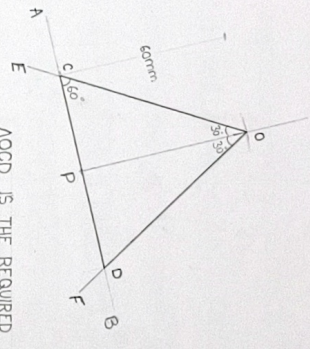
CD BISECTS THE
LINE AB
AO=OB

DRAWING PERPENDICULAR TO A
GIVEN LINE FROM A GIVEN POINT



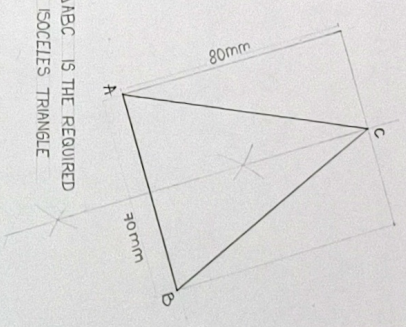
PE IS PERPENDICULAR
TO THE LINE AB

DRAWING EQUILATERAL TRIANGLE
GIVEN ALTITUDE (PO=60mm)



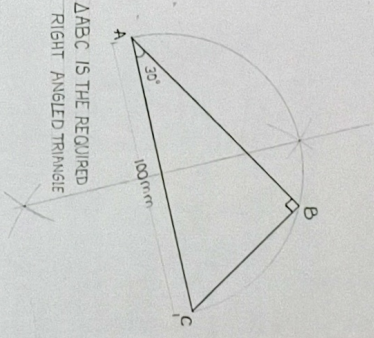
AOOD IS THE REQUIRED
EQUILATERAL TRIANGLE

DRAWING ISOSCELES GIVEN ALTITUDE
AND BASE



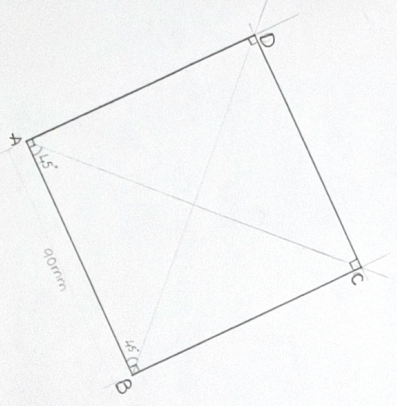
ABC IS THE REQUIRED
ISOSCELES TRIANGLE

DRAWING RIGHT ANGLED TRIANGLE GIVEN
HYPOTENUSE AND ONE ACUTE ANGLE



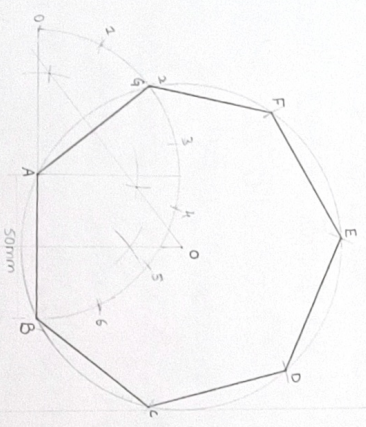
ABC IS THE REQUIRED
RIGHT ANGLED TRIANGLE

DRAWING QUADRILATERAL
SQUARE



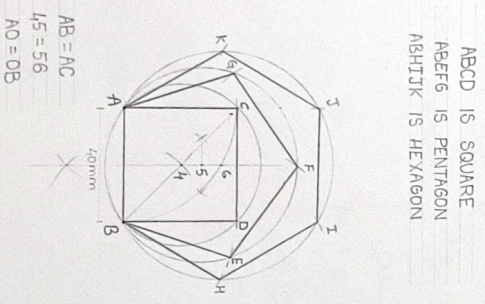
ABCD IS THE REQUIRED
SQUARE

DRAWING POLYGONS (CIRCLE METHOD)
HEPTAGON



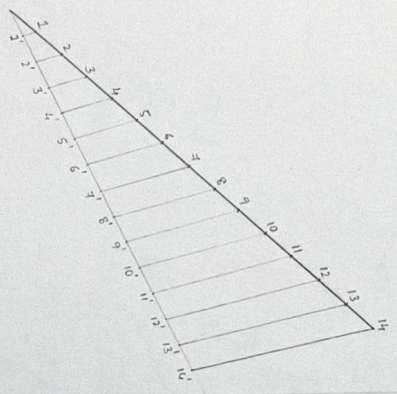
ABCDEF IS THE REQUIRED
HEPTAGON
CENTRE - O
RADIUS - OA

DRAWING POLYGONS (GENERAL METHOD)
ABCD IS SQUARE
ABEFG IS PENTAGON
AGHIJK IS HEXAGON

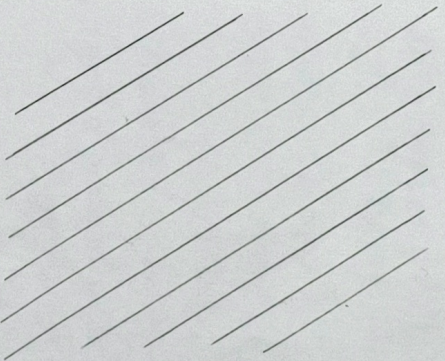


AB = AC
AS = 56
AO = OB

DIVIDING LINE INTO EQUAL NO OF
SEGMENTS



DRAWING PARALLEL LINES



ARCHITECTURAL GRAPHICS

BASIC GEOMETRICAL CONSTRUCTION

(21ARC11)

SHEET NO-4

NAME : NAMRATHA.S

USN

CLASS : 1SEM B ARCH B-SEC

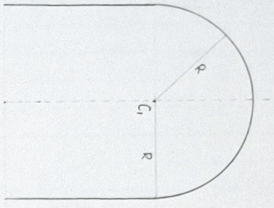
DATE : 3.11.2023

Handwritten notes:
K and P
done in sem
class
21/11/23

Handwritten notes:
9/5
10

Handwritten notes:
Sheet
21/11/23

EX-1 - SEMICIRCULAR ARCH

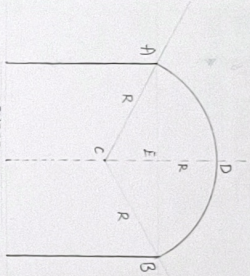


SPAN - 30m
RISE - 35cm
CENTRE - C₁

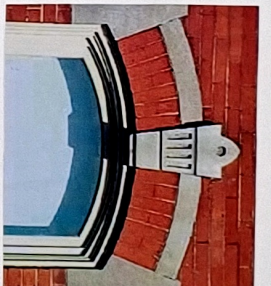


GREENWICH,
LONDON UK

EX-2 - SEGMENTAL ARCH

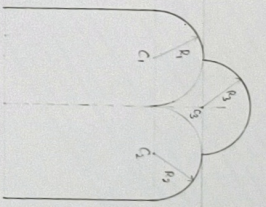


CENTRE - C
SPAN - 10m (AB)
RISE - 2.1cm < R = 1cm



AUTOMOBILE CLUB OF BUFFALO
CLARENCE

EX-3 - TREFOIL ARCH (3-CENTRED ARCH)

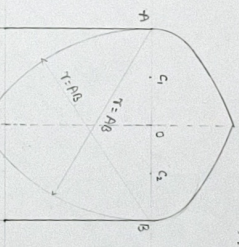


SPAN - 3.5cm (R₁+R₂)/R
RISE - 3.5cm - 2R/R₁+R₃
CENTRE - C₁, C₂, C₃

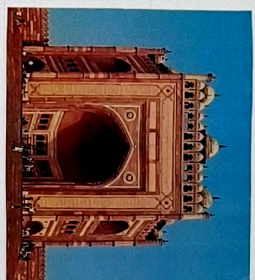


BAYEUX CATHEDRAL
NDRMBHOVY FRANCE

EX-6 - 4-CENTRED GOTHIC ARCH

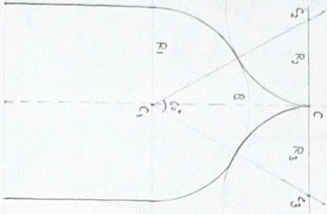


SPAN - 3cm
RISE - 3cm
RADIUS - R₁
CENTRE - C₁, C₂, C₃, C₄



BHAND DHARWATA, FATEHPOUR
SIKRI, UTTAR PRADESH

EX-4 - OGEE ARCH

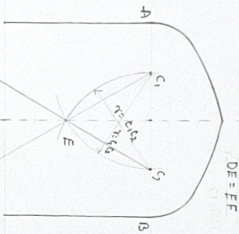


SPAN - 30m
RISE - 5.5cm



OGEE ARCH ON PART OF A GOTHIC
CHURCH IN ENGLAND

EX-5 - DEPRESSED TUDOR ARCH

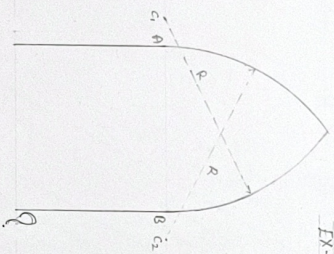


CENTRE - C₁, C₂, C₃, C₄
RADIUS = C₁C₂
DE = EF
PC = C₁D = D₁C₂ = C₃B



LAYER MARNEY TOWER,
ENGLAND

EX-8 - EQUILATERAL ARCH

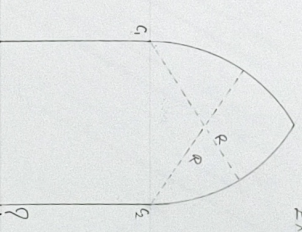


SPAN - 6cm (AB)
RISE - 5.8cm
CENTRE - C₁ & C₂ (LIE OUTSIDE THE SPAN)



MIDDED B. COOPER MEMORIAL CHAPEL,
UNITED STATES

EX-9 - LANCET ARCH

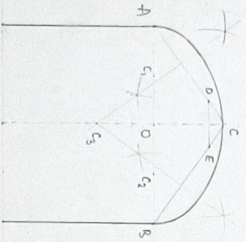


SPAN - 6cm (C₁C₂)
RISE - 5cm
CENTRE - C₁, C₂, R = C₁C₂



SAINT JOHN THE BAPTIST ITALIAN
CATHOLIC CHURCH, COLUMBUS, OHIO

EX-7 - THREE CENTRED SEMI-ELLIPTIC ARCH



SPAN - 30m (AB)
RISE - 2.4cm
CENTRE - C₁, C₂, C₃



RAILWAY VIADUCT CROSSING BRIDGE
STREET IN CENTRAL GARDEN TOWN,
MMSRHOUSETTS, UNITED STATES

ARCHITECTURAL GRAPHICS

ARCHES

21ARCC11

SHEET NO.

NAME: NIMRATHA S

USN:

CLASS: 1SEM B ARCH, B SEC
SUBJECT:

Good Effort
Don't be lazy
10/10
10/10
10/10

10/10