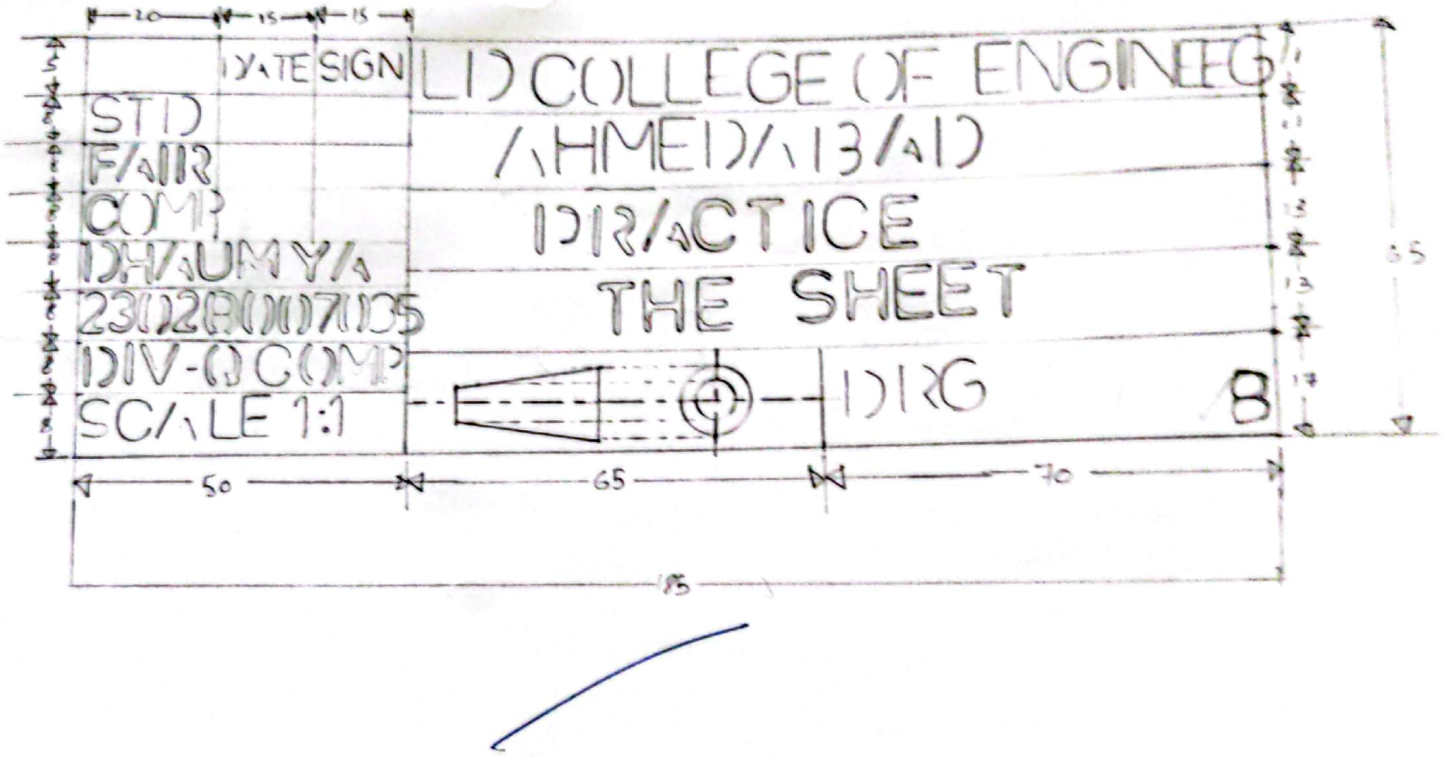
ALL THE DIMENSIONS ARE IN MM



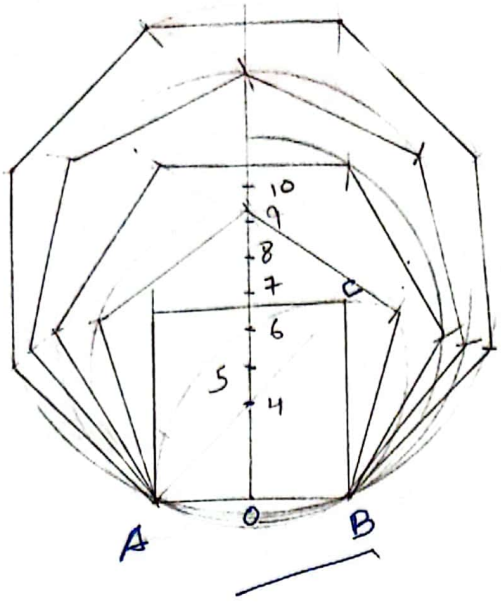
	TYPE	ILLUSTRATION	APLICATION
A	CONTINUOUS THICK		VISIBLE OUTLINE
B	CONTINUOUS THIN		DIMNSION LINE, LEADER LINES, EXTENSION LINES, CONSTRUCTION LINE OUTLINES OF ADJACENT PARTS H/ATCSING AND REVOLVED SECTION
C	CONTINUOUS THIN WAVY		IRREGULAR BOUNDRY LINES, SHORT BREAK LINES
D	SHORT DASHE MEDIUM		HIDDN OUTLINES AND EDGES
E	LONG CHAIN THIN		CHNTER LINES, LOCUS LINES EXTREME POSITIONS OF THE MOVEBLE PARTS FRONT OF THE CUTTING PLANES AND PITCH CIRCLES
F	LONG CHAIN THICKATED AND THINELSEWHERE		CUTTING PLANE LINES
G	LONG CHAIN THICK		TO INDICATE SURFACE WHICH AR TO RECIVE ADITIONAL TREATMENT
H	RULED LINE AND SHORT ZIGZIGZAG		LONG BREAK LIN

Perpendicular Line

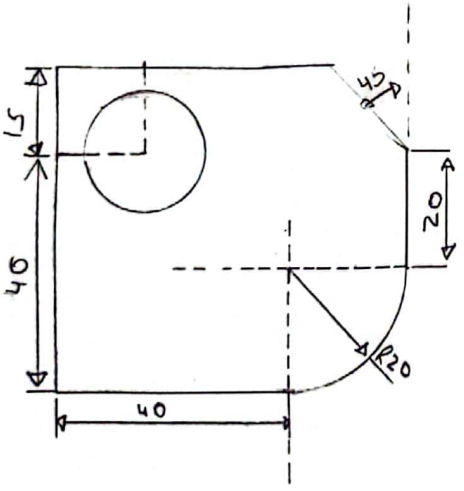
A ⟷ B

B

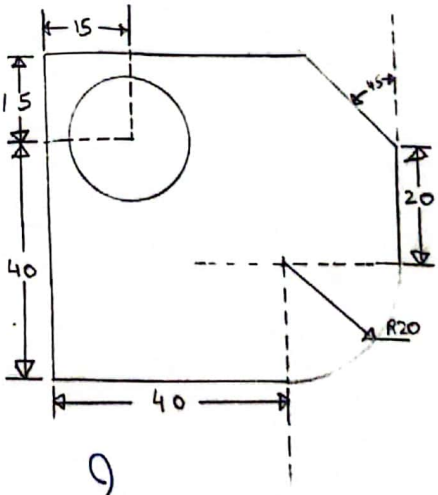
✯ Polygone by Universal Method



✯ Method of Dimensining



Aligned



Unidirectional

4/3

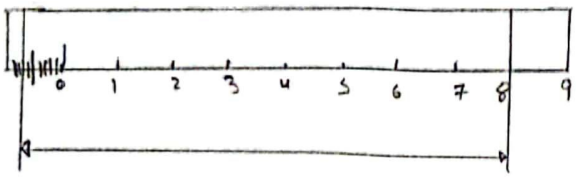
Problem-1 Construct a plain scale of RF 1:100 show meters & decimeter max measarment required 1.10 meter Indicate 8m, 7dm on the scale

LOS = R.F x M.S

$= \frac{2}{100} \times 10m$

$= \frac{1}{100} \times 10 \times 10^{-2}$

LOS = 10cm

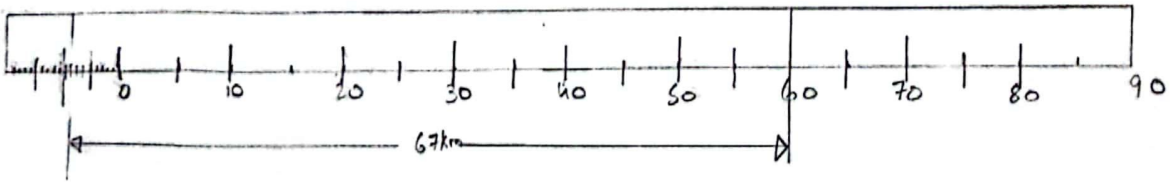


Problem-2 Determine plane scale For 100km length RF => 1cm = 5 km which is also do measure 100 km length.

Indicate 67 on this scale

$LOS = RF \times M.S \Rightarrow \frac{1cm}{5 \times 10^3 \times 10^2} \times 100 \times 10^3 \times 10^2 cm = 20cm$

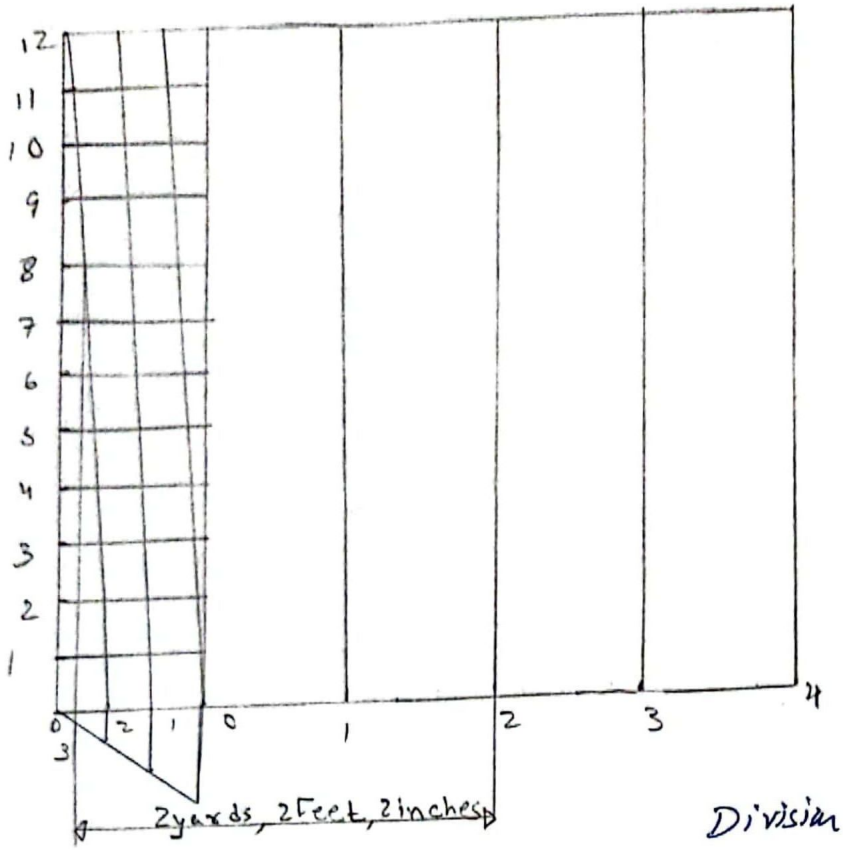
Division ?



Problem-3 Construct a diagonal scale where R.F = 1/36 showing yard, Feet inche scale should be enough to measure 5 yards 2-8 plak on it 2yard 2 feet 8inch

1yard = 3 Feet

$Los = RF \times [max\ length] = 1/16 \times 5yard = 1/16 \times 8 \times 3 \times 2 = 3 inches$



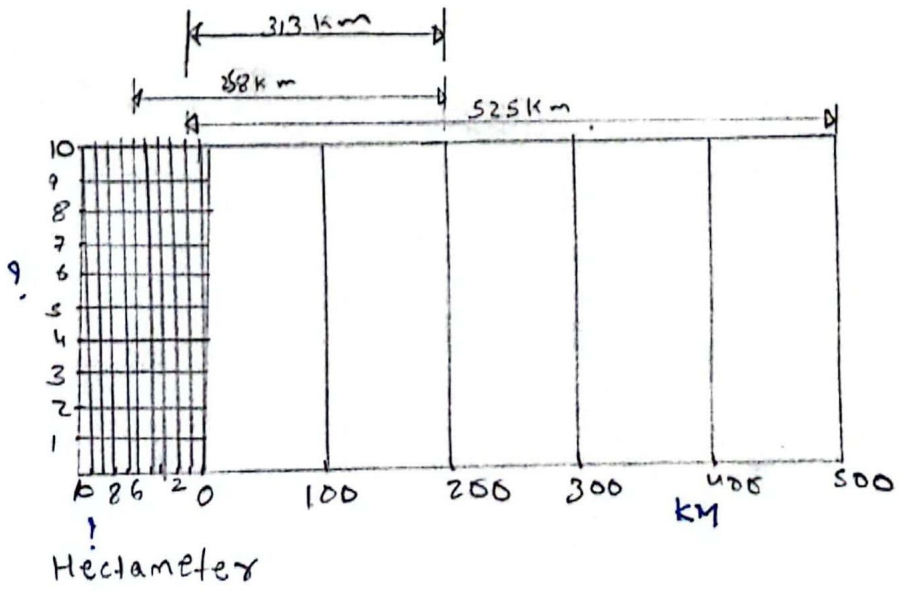
Division shall be equal

4) The dist b/w two cities A & B is 500km its equivalent distance on a map only 6cm what is the RF. Draw a diagonal scale to show 100 of 1km & km5 Indicates on the scale following distance, 525 Km, 256 Km, 313 Km

$$\frac{6m}{300km} = \frac{6}{3000 \times 600 \times 10}$$

LOS = RF (max length of measurement) $= \frac{6}{300 \times 1000 \times 100} \times (600 \times 1000 \times$

$= 12cm$



9.