Development

True Shape of Section
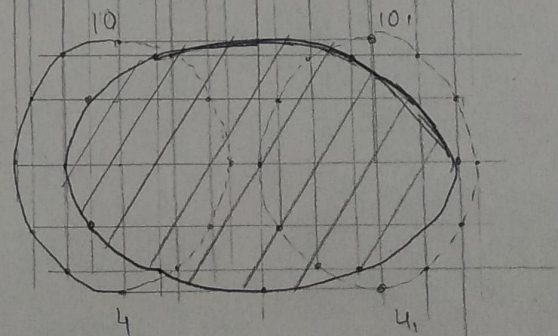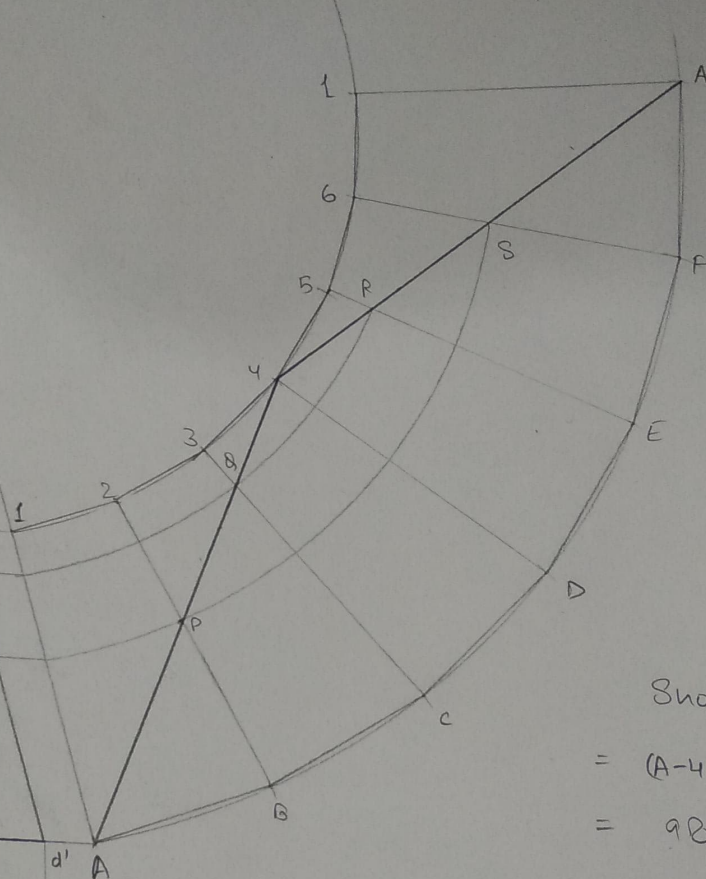
40 mm

$\pi \times 40 = 126$ mm

FV

TV

60°

A 1
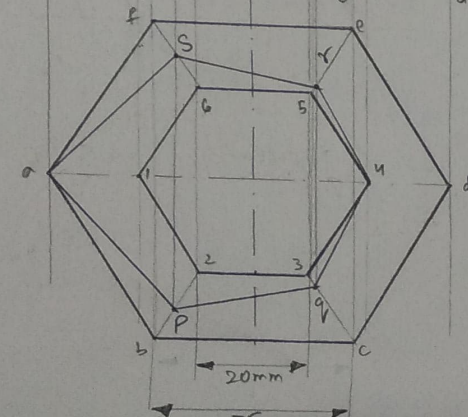12
11
L 10
K 9
8
J 7
I 6
5
H 4
G F E 3
D 2
C 1
B A

Development

L = 50mm

Q2.

FV

60 mm

TV

1' 6' 2' 5' 3' 4' 1 2

d' s'

q' y' f' c' e' d' A

f S r e

a 6 5 d

2 3

P q

b c

20mm

1 A

6

5 R S F
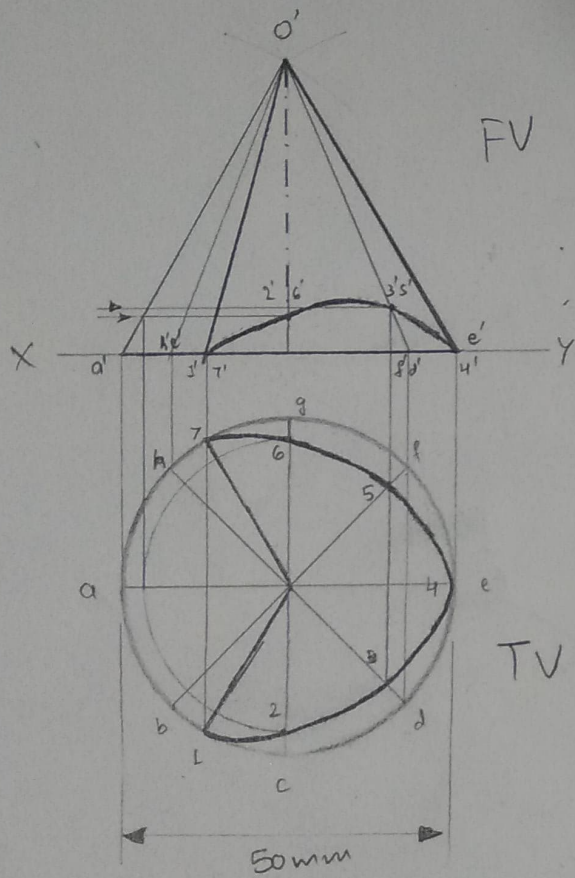
4

3 8 E

2 P D

A c

B

Shortest path

= (A-4) + (4-A)

= aB + aB

= 196 mm
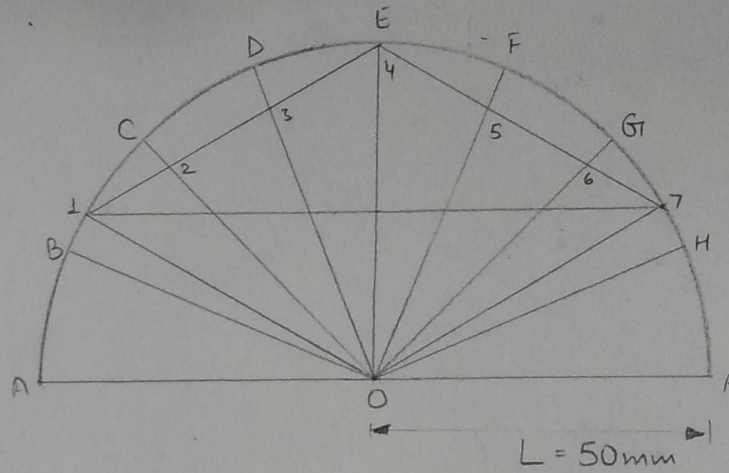
NAME: ANINDYA VIJAYVARGEEYA
INSTITUTE: IIT GUWAHATI
ROLL No.: 200101015   TUT. GROUP: L1
SHEET No.: 9   DATE: 09-02-20

DEVELOPMENT OF SURFA
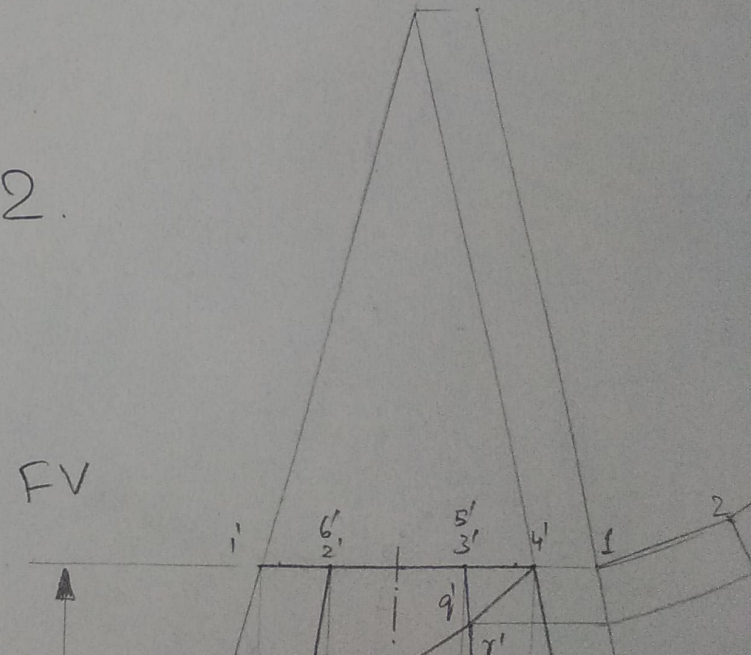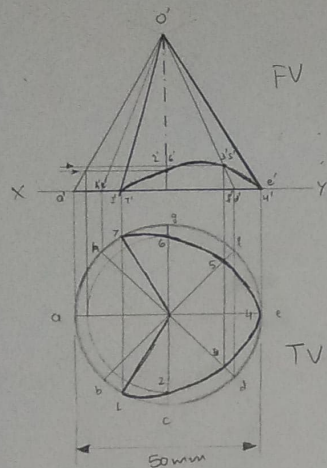
Q,1

FV

X ————————————————— Y

a'   1' 7'   8'9' 4'
    2' 6'   3' 5'   e'

TV

50mm

Development

E
D   4   F
C   3   5   G
2   6
1   7
B   H
A   O   A

L = 50mm

Q2.

FV

1'   6'   5'   4'   1   2
      2'   3'
              9'
              7'

Q.1

FV

Development

L = 50mm

X ——— Y

TV

50mm

Q2.

Development

FV

60 mm

TV

20mm

35 mm
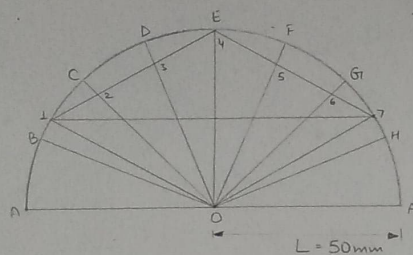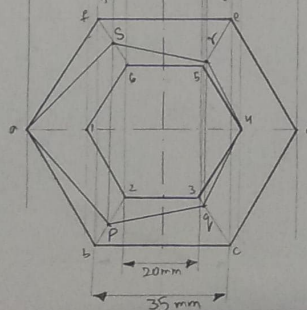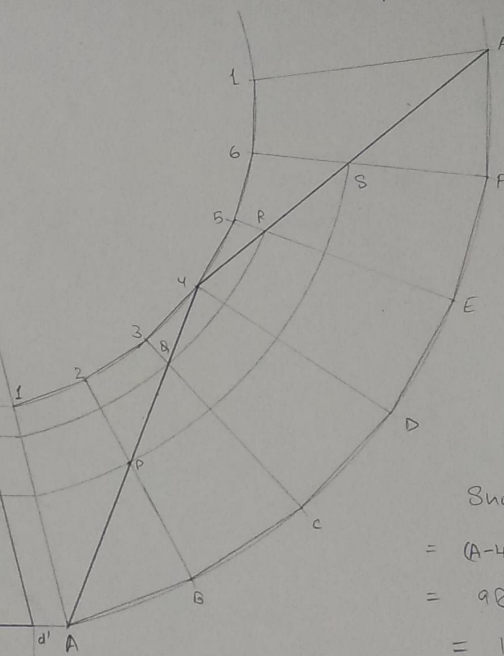
Shortest path

= (A-4) + (4-A)

= a8 + a8

= 196 mm

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DEVELOPMENT OF SURFACES