

Name: Ayedun Olaitewa Eytayo

Department: Electrical Electronics

Matric No: 181EN041008

Course: ENCA 252.

CALCULATION.

For  $0^\circ - 90^\circ$  least radius of cam = 30mm.

$$r = 30\text{mm}$$

$\therefore R_{TC}$

$$= r \times \frac{22}{1} \times 30 \\ = 188.50\text{mm.}$$

$\therefore$  for  $0^\circ - 90^\circ$

$$\Rightarrow \frac{90}{360} \times 188.50$$

$$= 47.12\text{mm.}$$

$\therefore$  for  $90^\circ - 150^\circ$

$$\Rightarrow \frac{60}{360} \times 188.50\text{mm}$$

$$= 31.42\text{mm.}$$

$\therefore$  for  $150^\circ - 210^\circ$

$$\Rightarrow \frac{60}{360} \times 188.50\text{mm}$$

$$= 31.42\text{mm}$$

$\therefore$  for  $210^\circ - 270^\circ$

$$\Rightarrow \frac{60}{360} \times 188.50\text{mm}$$

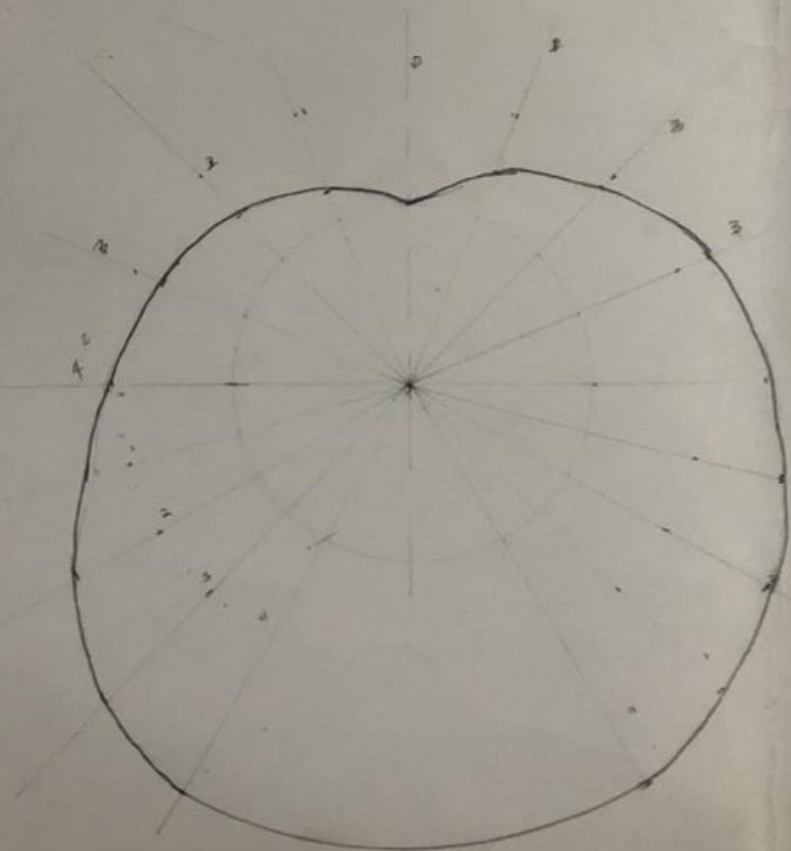
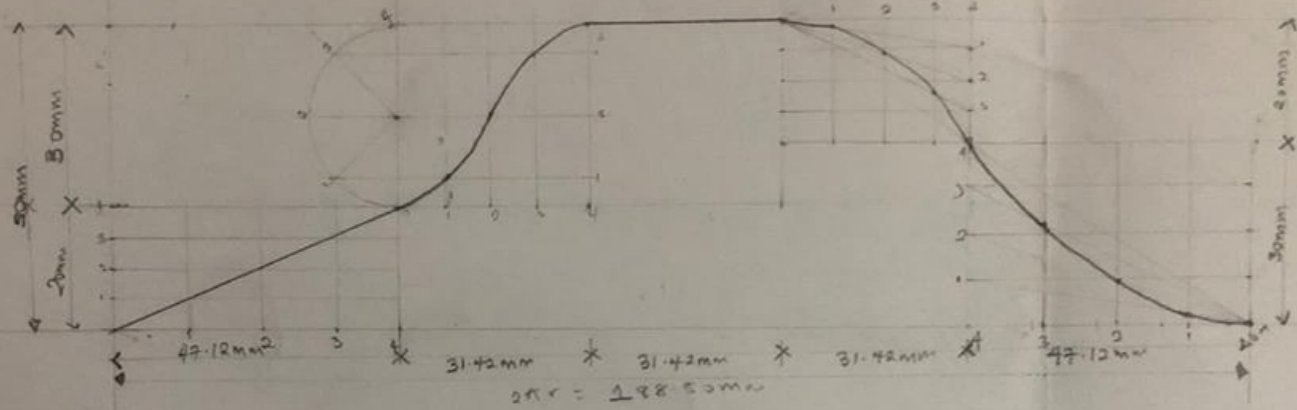
$$= 31.42\text{mm}$$

$\therefore$  for  $270^\circ - 360^\circ$

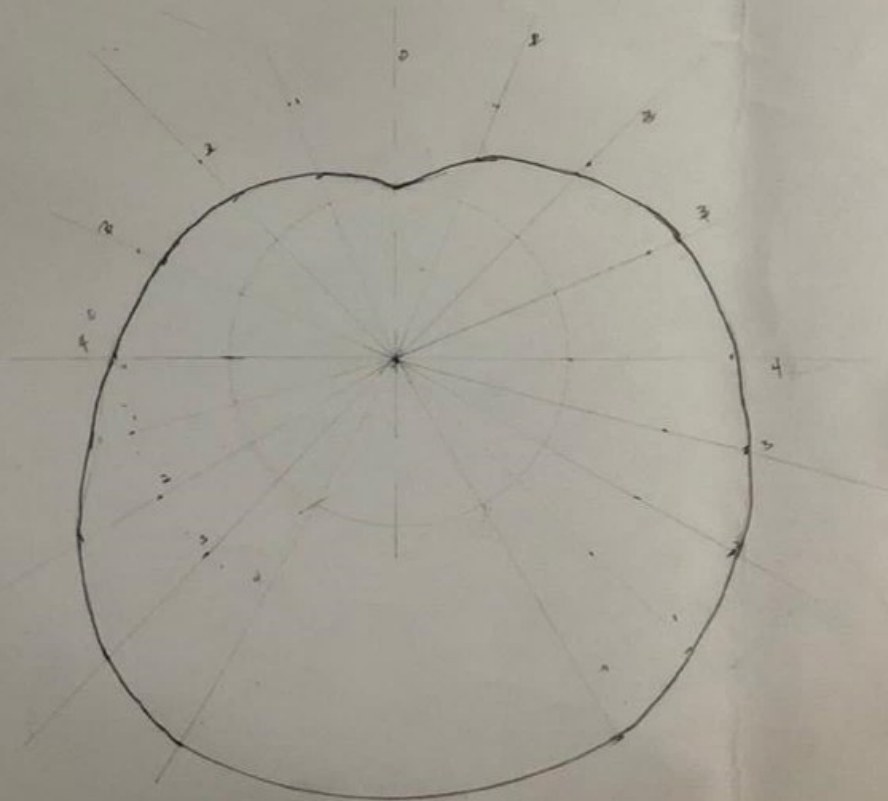
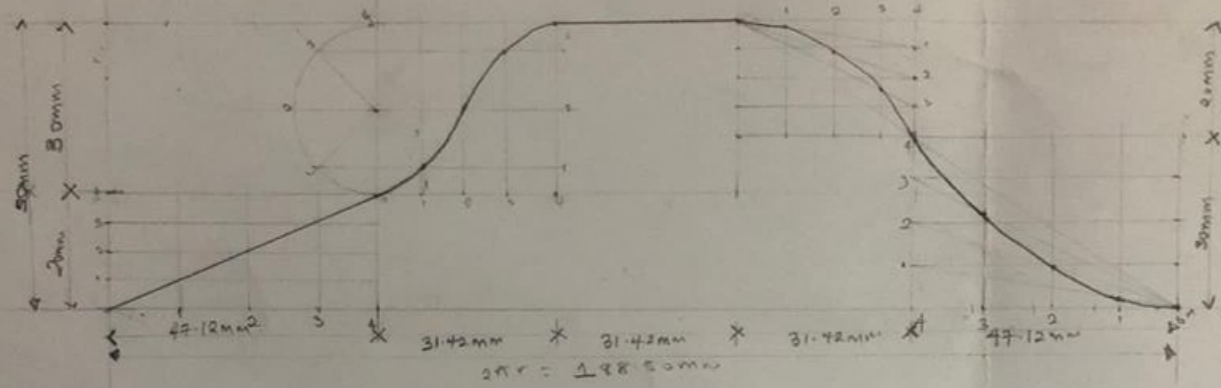
$$= \frac{90}{360} \times 188.50\text{mm}$$

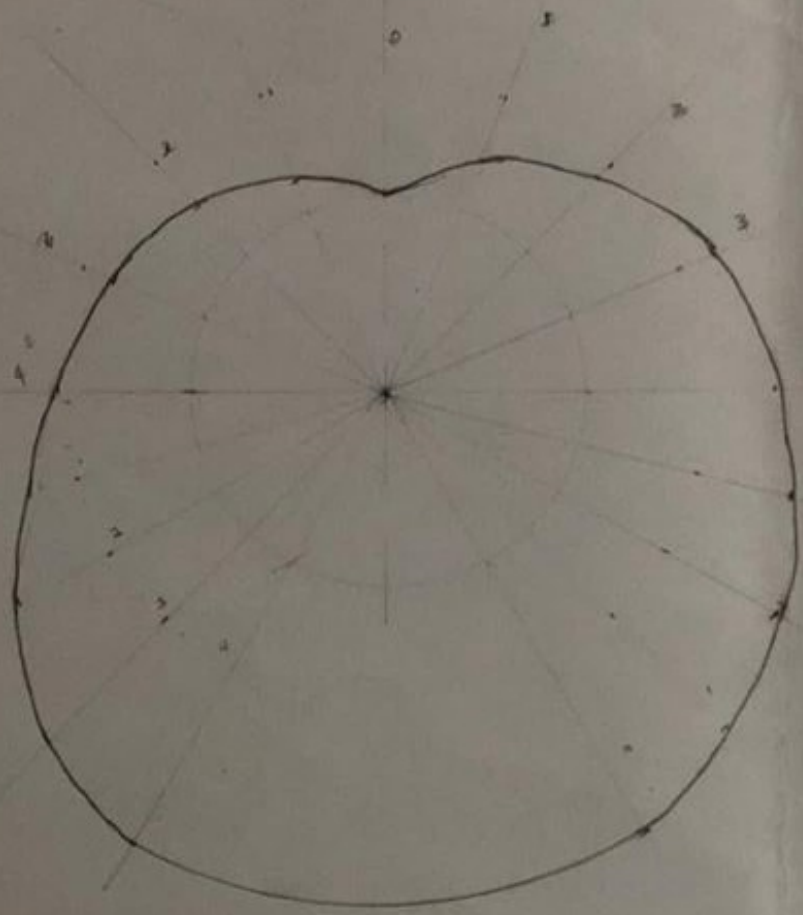
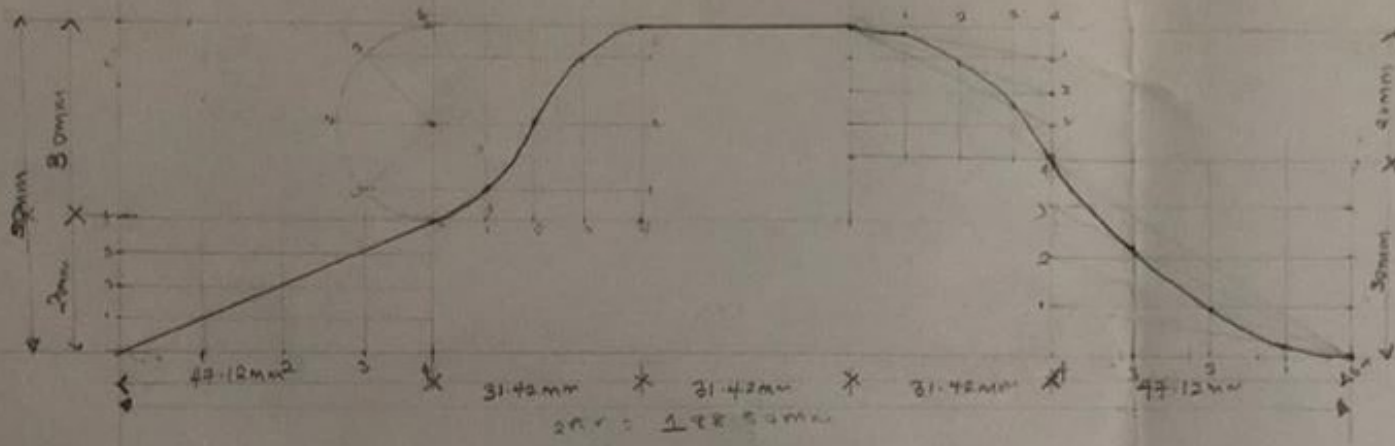
$$= 47.12\text{mm.}$$

18/ENG 04/008



18/ENG 04/008

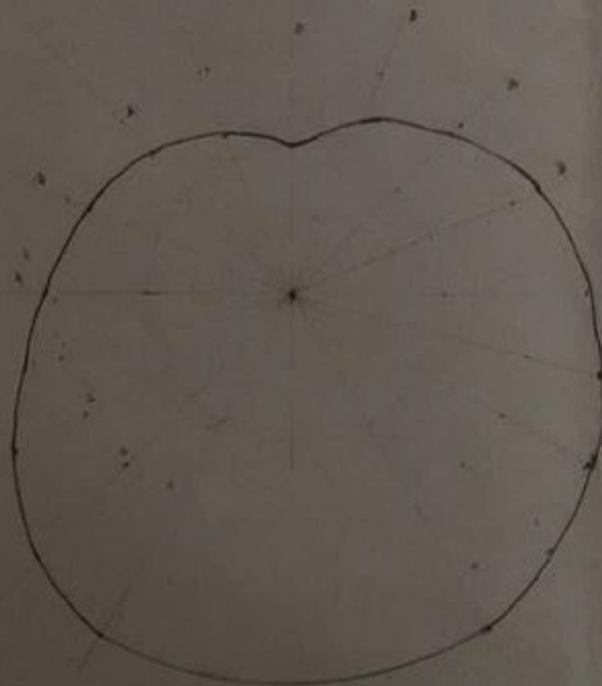
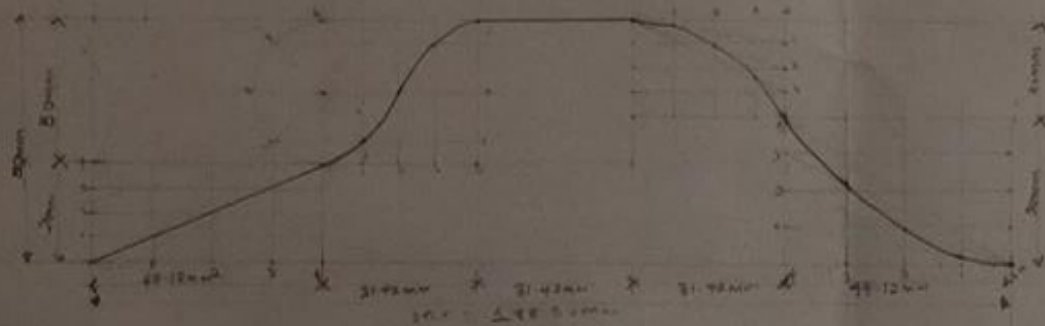




18/E

NAME
MAT. NO
DEPT
TITLE
DATE

18/ENG04/008



18/ENG04/008

NAME	AIYEDUN OLATILEWA
MAT. NO	18/ENG04/008
DEPT	ELECT/ELECT
TITLE	CAM AND FOLLOWERS
DATE	28-04-2020