**RECTANGULAR METHOD ELLIPSE IS GIVEND

AND AYIS AND MINOR AYIS OF AN ELLIPSE IS GIVEND

AS LOOMIN AND FORM RESPECTIVELY. DRAW ELLIPSE BY

RECTANGLE METOD

** STEPS:
*** Unow the rectangle

*** Driving 14 in the 4 quadrants

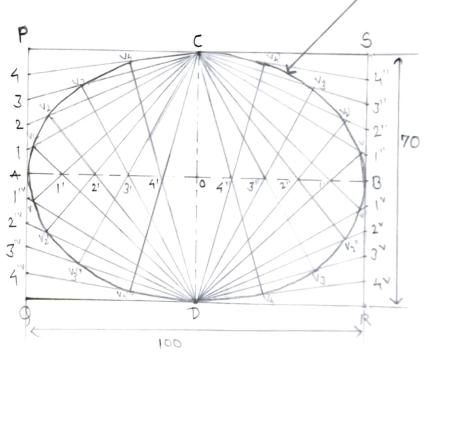
*** Driving 100th, Side of 1 quarkant into 5

*** Driving noth, Side of 1 quarkant into 5

*** Driving hidding line into 5 parts and jointhe pts and draw ellipse

*** ELLIPSE**

*** ELLIPSE**



*PARABOLA BY DIRECTIX METHOD 2) CONSTRUCT A PARABOLA WHEN THE DISTANCE OF FOCUS FROM DERECTIES IS SOME + Stepse-1) Draw a Straight line Drow I 3) set the given directrix focus distance 4) bisect DF and draw I though point V vat ptA and drawline 5) Take distance VF and draw an arc which bisect vat ptA and drawline at point of intersection PARABOLA 6) Take 1-D, 2-D. ... (Rounder to arc) and mark are by placing rounder at F each Hme, PI 2 34 F P. P3 | P4 | 50

* ELLIPSE BY DIRECTRIX 'NETOD Q) CONSTRUCT AN ELLIPSE BY FOCUS DIRECTRIX METOD IF DISTANCE BETWEEN FOCUS & DIRECTRIX IS SOMM & ECCENTRICITY = 2/3 e= 2 = 2+3 = 5 50 - 10 MM e======= C= distance of pt from focus 2 DV= BOMM distance of pt from directedix VF= 20 MM q' 10' ELLIPSE 31 D 10 - 1200 !a trans and we have a deeple of the following STORE & TORREST STORE STORE STORE OF F ETTORE POINT V ENING CEETS camp)"

31 TJ = 2 Craft 10 6

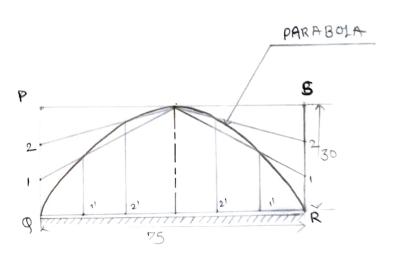
TH IS SOTTE & AYIS HEIGHT IS SOME BY RECTANGULAR METHOD DARABOLA B 50MM ? 3' mm08 * 5+eps 8-1) Draw a rectangle & divide it into two parts a) Divide each parts into 4 sub-parts. 3) The tetral pt to pt & and draw serval = - 1'-1 2'-2' 600 2 700 the points.

* PARABOLA BY RECTANGULAR METOHD.

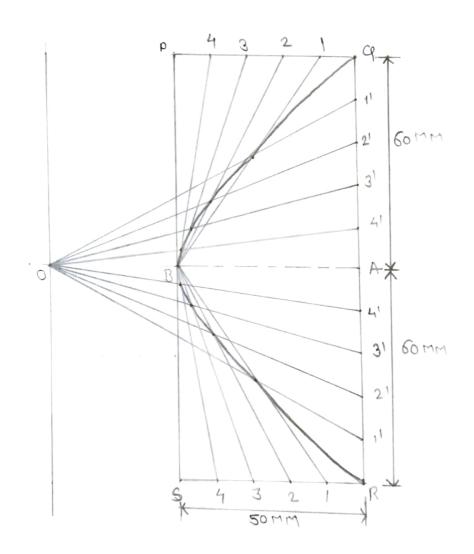
9) CONSTRUCT A PARABOLA JF BASE LENGT-

A THROW OF A BALL FROM A FIELDER ON A CRICET GROUND

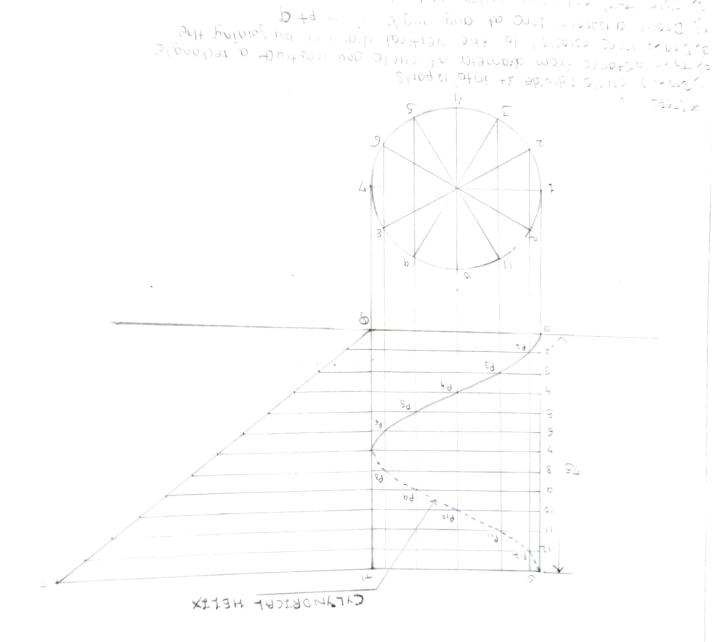
REACHTS TO THE WICKET KEEPER IN PARABOLIC PATH THE BALL
IS MAX 3017 ABOUT THE GROUND THE BALL IS THROWN FROM IM. THE DISTANCE BETW FIELDER AND WICKET-SCALE KEEPER IS 75M TW= TWW



DRAW A HYPERBOLA HAVING TRANSVERSE AXIS DOMM ABSICSA SOMM AND DOUBLE ORDINATE 120MM USING RECTANGULAR METHOD.



Steps:
| Draw Rectangle of even dimensions
| Draw Rectangle of even dimensions
| Draw Rectangle of the part and mark pt 0 dong centre line of rectangle
| Draw entry of the work and fornt vertical pt to pto
| Draw entry of the pt B.



12 m 14 m, 13 m, 13 m, 1 m 12 m 12 m 12 m

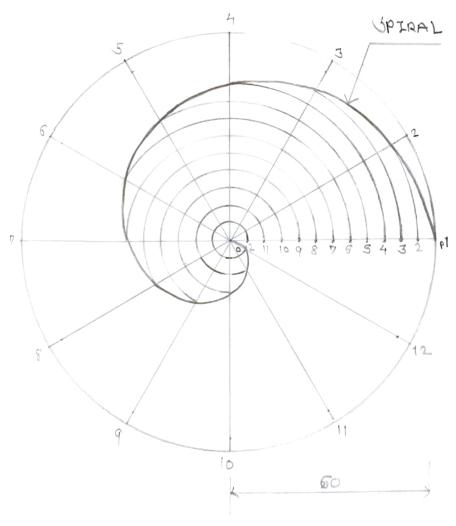
The man to the state of the sta

30. 18113. OF 16 41 406 Hour Tat of latining width almost retted from 2012 (C

DRAW CYLINIFICAL HELIX OF DIAMBER

OTHER AND PITCH SOME FOR THE ROTATION PITCHE GOMM
HETCHTE GOX 1.5 - 90 HELIX CYTINBRICAL 2 HELIX 10 beinn't drow a soll, from the suntil the AN ENGLISHED MARKETS BROKE

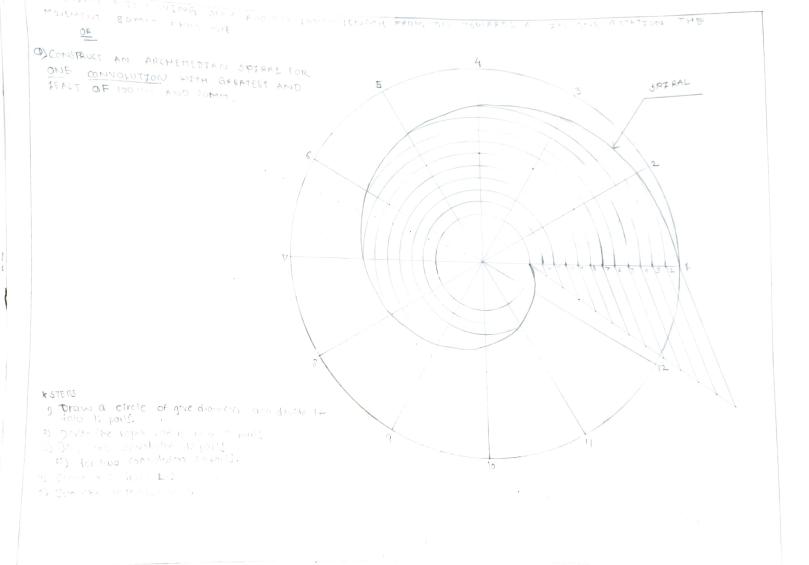
Q) DRAW THE ARCHIME DEAN SPIRAL HAVING OUTER DJAMETER GOMM.



* STEPS ?-

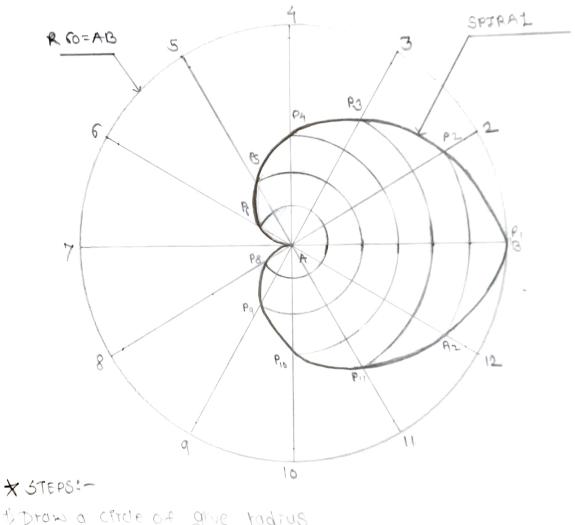
1) First draw a cirle of given diameter and then divide it into 12 parts Divide of in 12 equal parts. 5) Take rounder and then join 2-2, 3-3, 4-4 Joint the intersection

Dt.



FROM B TO A AND BACK TO B DRAW LOCUS AND NAME THE CURVE.

9) A ROT AB GOMMI BONG ROTATES ABOUT POINT A FOR

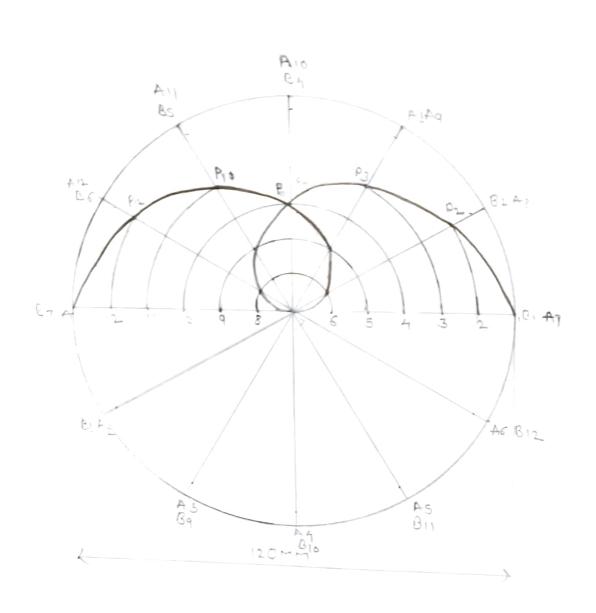


1) Drow a circle of give todius

A) Drown ore by placing rounder at fixed of A street of Area of A

Join the points to get heart shape curve.

PAROD AB 120 MM FONG ROTATES ABOUT IT'S MIDPOINT FOR ONE ROTATION DURING THIS ROTATION A POINT P MOI ES FROM B TO A DRAW IT'S LOCUS AND NAME THE CURVE



THE FREE ENDOFA SINCLE TWENTS THE FIVED POINT PREPRIOR TO THE CITY OF THE PREPRIOR DRAW PATH OF THE PREE END PRINCE THE THE CURVE TRACED BY THE END OF THE THREAD AS TITS UNWOUND FROM A PULYBOID OF F. CIRCA A COURT TE CHARLES A PATH TRACED AS THE THREAD AS TETE SO THEFT TE FORES ALONS, GI A A CIRCLE OR POLYCION WITHOUT SIT PPINCT.

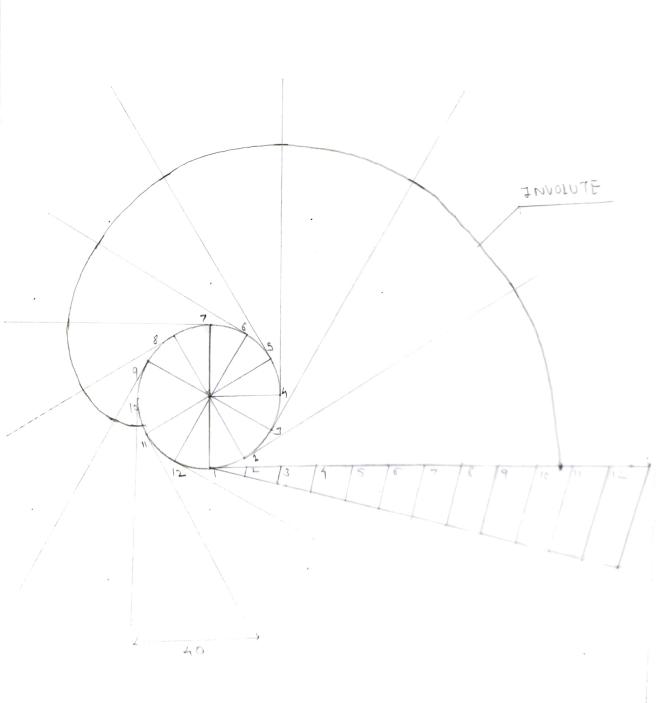
4) AM INELASTIC STRING OF 100 mm JEIJETH IS WOUND AROUND A' DISC OF 40 MM DIAMETER. TRACE THE PATH OF FREE END OF A STRING

CALCULATIONS

TEN=360°

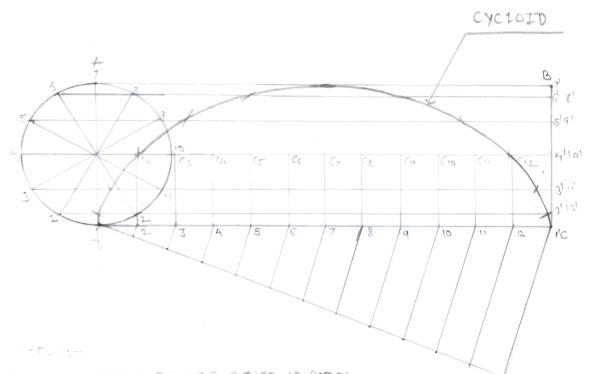
100=7

0=286.



CYCLOID : IT IS THE LOCUS OF A POINT ON A CIRCUMFERENCE OF POLITING CIRCLE WHICH POLLS WITHOUT OLIPPING OR STIDING ALONG A FIXED STRAIGHT LINE. THE ROLLING CIPCLE LECALLED AS GENERATING CIPCLE AND THE STRAIGHT LINE IS CALLED DIRECTING LINE.

9) A CIRCLE OF 40 mm DIAMETER ROLLS ALONG A STRATGHT LINE WITHOUT 81 IPPING. DRAW THE CURVE TRACED OUT BY POINT PONTHE CICUMIFURENCE FOR COMPLETE L REVOLUTIONS CONSIDER P POINT IS AT POINT OF CONTACT.



STREAM CIPALE DIVETT TINTO 12 PARTS.

SERVICE SISSISSION EXILE DC OF 125mm AND DIVID IT INTO 12 PARTS

SERVICE SISSISSION TO IC 8 AB STITE 4-4', 5-5' ...

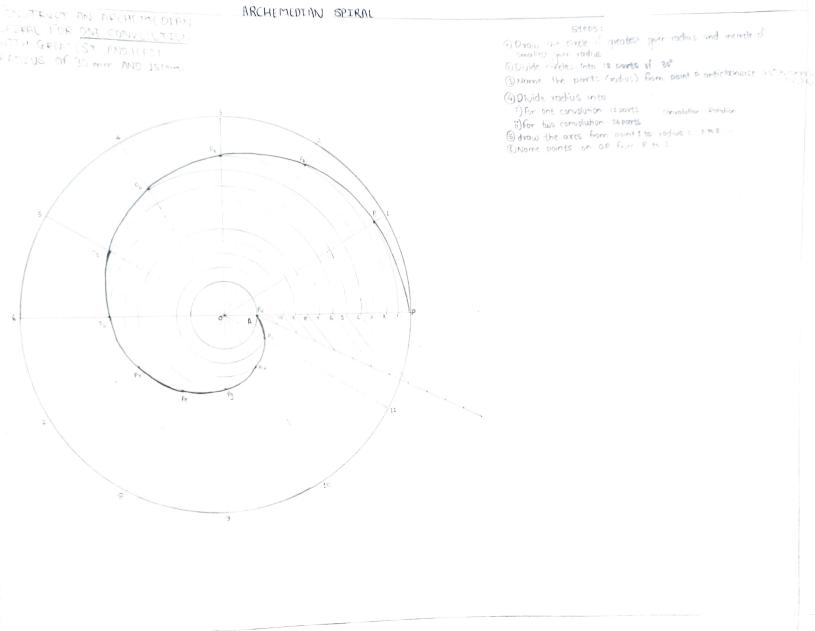
SERVICE SISSISSION TO IC CERCE. WITH HEIP OF ROLLER SIALE

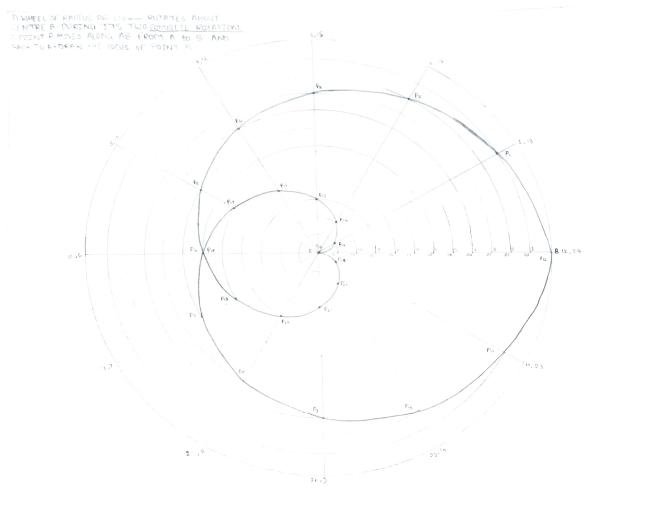
SETANCE DISTRICES OF BIHACTER IN ROUNDER AND PLACE IT

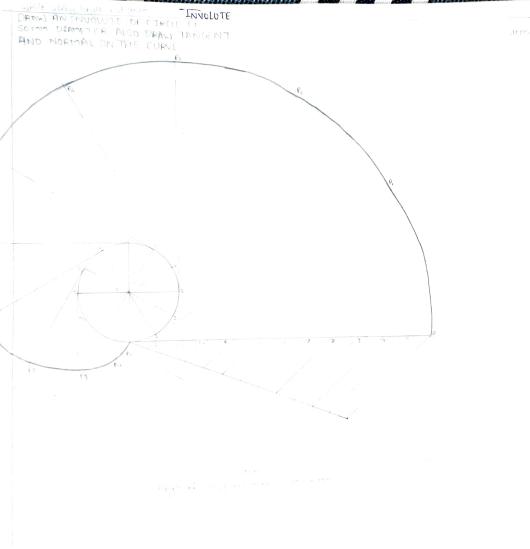
AT ET 12 PAPER AND ARC ON LINE 2-2', I'M' FI

IF THE PROPERTY OF LITTE 3-31 office

Most a per mo GET CYCLOID







3

Outside the rime into is equal parts.

3) Drow the straighten of given & or if notigion then drow the time Armineterines.

3) The line must be go! I form bettermined Modified to the line in a case parts using the mindred line.

(1) Drow the tangens of is and us?

(2) Home the points on the line from pair's or crime to line.

(a) Name the points on the line from him so circle to line.

(b) Name the points of andres or inclockwise from bottomics (1021) point.

(3To Draw orcs)
Take the rounder and measure the line from print
1top and keep rounder on radius I or circle and
take arc and so or
2top and radius 2 arc

ares by come.

