

Mid point anche folynomial ( J/P Center (Nc, Jc) & radius 1) My o sithm 6 Bet mitiel values x = xc - A B) Plot pinhe (x,y) (7)

O robble (x,57(+9)) inichement X = X+1Compute  $y = y_C x \sqrt{x^2 - (x - x_C)^2}$ (-4,x) (-4,x) sound of values of y Plotpinal (x, y) 9 (yk-1/2) (yk-1/2) (yk-1/2) Bond while (5) Stop  $\sqrt{2+y^2} = \sqrt{2} - \frac{1}{4} + \frac{1}{2} + \frac{1}{2$ gradien for the (Yiy) = S = 0 if (1/4) imide the chicle boundary

for the (Yiy) = 0 outside the whole boundary

outside the whole boundary Pk = 1 cm de (MpH), yk - 1/2 2 Decision Pk = (MkH)2+ (yk - 1/2)2 = 912 Parameter Pk = (MkH)2+ (yk - 1/2)2 = 912 If PKCo oridpoint then next y : YK otherane y= ye-1 From D NK+1 = NKH + and IR = JRH

$$\begin{aligned} & \left( \frac{1}{2} \frac{1}{$$

Po = flinde (1, 91-1/2) (Mo, yo) = (o, 91.) gatial J (7k+1, 7m-1/2) Drivian Paramater) PR = (0 H) + (n - 16) 2 - 912 = 1+9/2+1/4-91-32 Po = 5/4 - 91 Joseph Jinteger EN SINE HEI Alego (7 4/1 radem & and lincle Center (7c, yc). Abtain the first point on the circumpuence of a circle contined (x0, y0) = (0,9) (2) Calculate imitial decision parameter

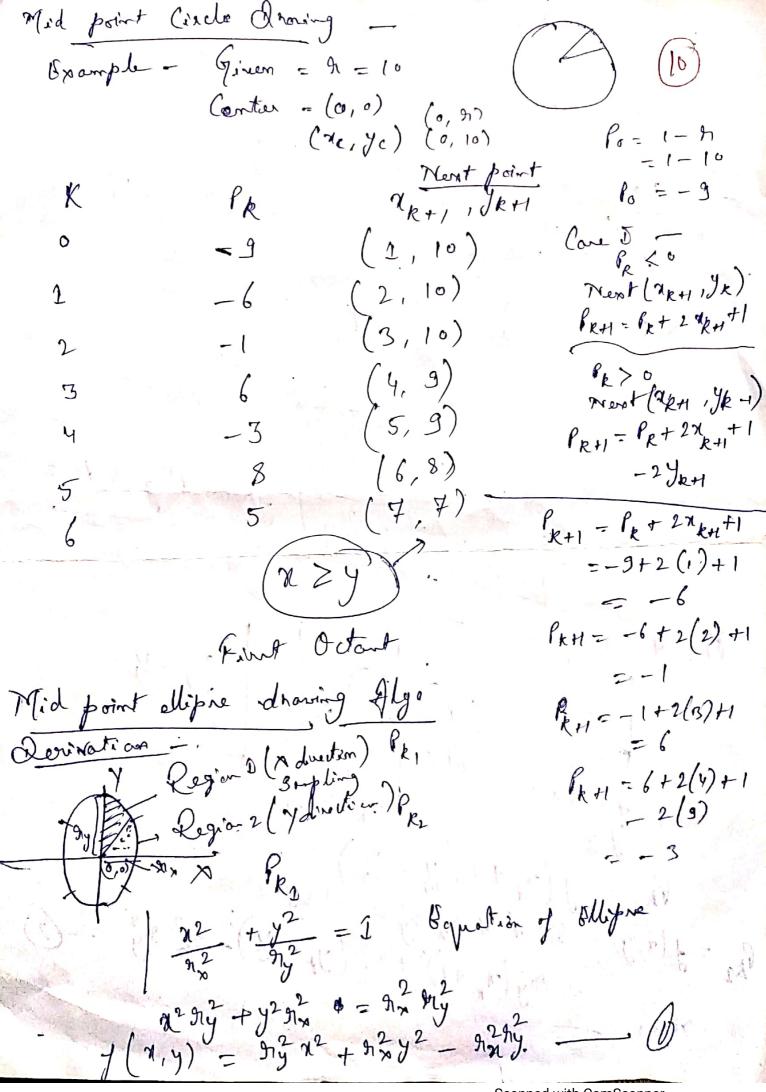
Po = 5/4 - 91 B At each position starting k=0 perform He following that
if Pr<0, then next plotting point (akti, yk) else verst point along the circle in (arti, yr.) (4) Determine Symmetry points in other Serun outits!

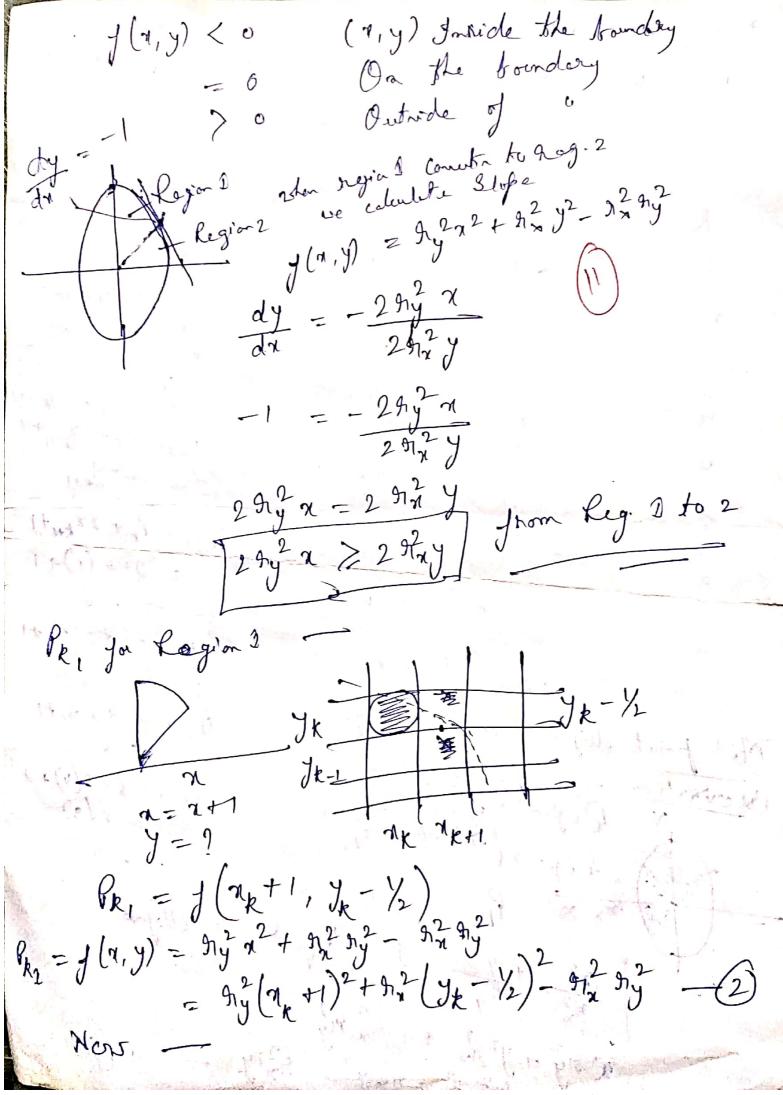
(5) Move each point to given conta by

(6) Move each point to given conta by

(7) - 4 + 4c

(8) - 5 until 1 - 7 y. 1 PRH= PR + 2 7 R+1 +1 - 2 yk+1





Pk2 = f(2k+1/2, yk-1)  $P_{R_2} = 9\eta_y^2 (\eta_k + 1/2)^2 + 9\eta_x^2 (y_k - 1)^2 - 9\eta_x^2 9\eta_y^2$  $\begin{aligned} & P_{RX+1} &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{1}{2}, \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right) \\ &= \int \left( \eta_{R+1} + \frac{y_{R+1} - 1}{y_{R}} \right)$ (2x+1/2)2.2) PRI < 0 MRH = 1/K  $\int_{k_{1}}^{k_{1}} \int_{k_{2}}^{k_{1}} \int_{k_{1}}^{k_{2}} \int_{k_{1}}^{k_{1}} \int_{k_{1}}^$ PRIK(0)= 1(.00+1/2, yo-1) = 913 (20+1/2)2+912 (y0-1)2-91293

