AB MIDPOINT

PEW. AS SEADE

$$\begin{pmatrix} A.y - B.y \\ A.x - B.x \end{pmatrix}$$

$$Y - A.y + B.y = \frac{-1}{2} \left(x - \left(A.x + B.x \right) \right)$$

$$\left(\frac{A.y - B.y}{A.x - B.x} \right)$$

AL EQ.

$$Y - A.Y + C.Y = \frac{-1}{A.Y - C.Y} \left(X - \left(\frac{A.X + B.X}{2} \right) \right)$$

$$y = \frac{1}{\left(\frac{A \cdot y - C \cdot y}{A \cdot x - C \cdot x}\right)^{2x} - \left(\frac{A \cdot x + C \cdot x}{2}\right)}$$

$$y = \left(\frac{C \cdot x - A \cdot x}{A \cdot y - C \cdot y}\right) \left(\frac{2x - A \cdot x - C \cdot x}{2}\right)$$

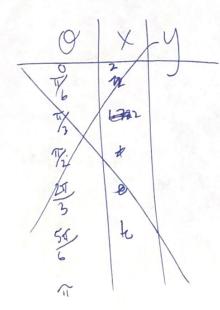
$$\frac{\left(\frac{C.x-A.x}{A.y-C.y}\right)}{\left(\frac{C.x-A.x}{A.y-C.y}\right)} = \frac{\left(\frac{3.x-A.x}{A.y-B.y}\right)}{\left(\frac{3.x-A.x}{A.y-B.y}\right)} = \frac{\left(\frac{3.x-A.x}{A.y-B.y}\right)}{\left(\frac{3.x-A.x}{A.y-C.y}\right)} = \frac{\left(\frac{3.x-A.x}{A.y-B.y}\right)}{\left(\frac{3.x-A.x}{A.y-B.y}\right)} = \frac{\left(\frac{3.x-A.x}{A.y-B.y}\right)}{\left(\frac{3.x-A.x}{A.y-B$$

$$\chi = \left(\frac{B \cdot X - A \cdot X}{A \cdot Y - B \cdot Y}\right) \left(\frac{A \cdot X + B \cdot X}{2}\right) + \frac{A \cdot Y + B \cdot Y}{2}$$

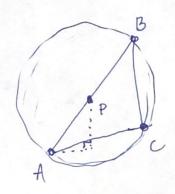
KNOWN

WE HAVE

MED: 1-0/105



0	X	Ч
0	2	0)
TIL	1.732	1
¥	1	1.732
The	0	2
25	-1	1,732
FILE FAM FOR X19 50/4	-1,737	1
T	1-2	0



AM POINT TO CIRCUMCENTER (1)

$$r = \sqrt{\left(P.x-A.x\right)^2 + \left(P.y-A.y\right)^2}$$

