$$x^{2} + y^{2} + \alpha x + \beta - y + c = 0$$

$$\alpha = -\frac{\alpha}{2}$$

$$\mathcal{T} = \sqrt{\alpha^2 + \beta^2} - c$$

$$R = \sqrt{\frac{Q^2}{4} + \frac{Q^2}{4} - c}$$

$$z=2$$

$$x = -\frac{\alpha}{2}$$

$$B = -\frac{\beta}{z}$$

$$R = \sqrt{\chi^2 + \beta^2} - c$$

$$(x-0)^2 + (y-0)^2 = 2^2$$

$$(x^2 + y^2 = 4)$$

$$\begin{cases} 0 = -\frac{0}{2} & 0 \\ 0 = -\frac{0}$$

$$x^{2}+y^{2}-4=0$$

$$\pi = \sqrt{5}$$

$$(x-x)^{2} + (y-\beta)^{2} = \pi^{2}$$

$$(x+3)^{2} + (y-1)^{2} = 5$$

$$x^{2} + 6x + 9 + y^{2} - 2y + 1 - 5 = 0$$

$$x^{2} + y^{2} + 6x - 2y + 5 = 0$$

Determinate il centro e il roggio della circonferenza a=-4 l=1 c=-1 $x^2+y^2-4x+y-1=0$

$$\alpha = -\frac{\alpha}{2} = -\frac{4}{2} = 2$$
 $\beta = -\frac{\beta}{2} = -\frac{1}{2}$

$$\left(2, -\frac{1}{2}\right)$$

$$R = \sqrt{\frac{2}{4} + \frac{3}{4} - c} =$$

$$= \sqrt{\frac{4 + \frac{1}{4} + 1}{4}} = \sqrt{\frac{21}{4}} = \sqrt{\frac{21}{4}} = \sqrt{\frac{21}{4}}$$

$$x^{2}+y^{2}-x+y+5=0$$

$$72 = \sqrt{\frac{1}{4} + \frac{1}{4} - 5} =$$

$$= \sqrt{\frac{1+1-20}{4}} = \sqrt{\frac{18}{4}}$$

Y NON RAPPREJENTA
UNA CIRCONFERENZA!

DESSUN PUNTO (XYY)
SEDDISTA L'EQUAZIONE!

$$(x^2+y^2-4x-6y+13=0)$$

$$\alpha = -\frac{\alpha}{2} = 2$$

$$\beta = -\frac{\&}{Z} = 3$$

$$R = \sqrt{4+9-13} = 0$$

$$(x-2)^{2}+(y-3)^{2}=0$$

JUAN RAPPRESENTA

UNA CIRCONTERENZA

MA IL PUNTO

$$(\alpha,\beta)=(z,3)$$

CIRCONFERENZA DEFENERE (RASSID O)