PAG. 266 N 130

$$\begin{cases} x + 2y - 2 = 0 \\ 3x - 2y = 6 \end{cases}$$

$$\begin{cases} x = 2 - 2y \\ 3(2 - 2y) - 2y = 6 \end{cases}$$

$$8 - 6y - 2y = 6$$

$$4 = 0 \implies x = 2$$

CEUTRO

RAGGIO
$$\overline{CP} = \sqrt{(2-1)^2 + (0+\sqrt{3})^2} =$$

= $\sqrt{1+3} = 2$

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

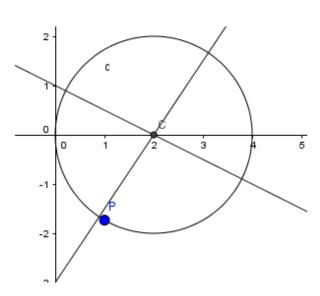
$$x^{2} + 4 - 4x + y^{2} - 4 = 0$$

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

MODO
ALTERNATION
$$P(1, -\sqrt{3})$$
 $C(2, 0)$
 $(x-2)^2 + (y-0)^2 = x^2$
 $x^2 - 4x + 4 + y^2 = x^2$
 $x = x^2 + 4x + 4 + 3 = x^2 = x^2 = x^2 = 4$

$$1-4+4+3=x^2=>x^2=4$$

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



DIAMETOO -> A (-3,1) B(2,5)

Il centro é el PUNTO MEDIO DEL SEGMENTO AB

$$\left(\left(\frac{-3+2}{2},\frac{1+5}{2}\right)=\left(-\frac{1}{2},3\right)$$

RAGGIO $A = \sqrt{(-3+\frac{1}{2})^2 + (1-3)^2} = \sqrt{\frac{25}{4}} + 4$ = $\sqrt{41}$

$$(x+\frac{1}{2})^{2}+(y-3)^{2}=\frac{41}{4}$$

$$x^{2}+\frac{1}{4}+x+y^{2}+8-6y-\frac{41}{4}=0$$

$$x^{2}+\frac{1}{4}+x+y^{2}+8-6y-\frac{41}{4}=0$$

199)
$$O(0,0)$$
 $A(3,03)$ $B(4,0)$

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

$$O \Rightarrow C = 0$$

$$A \Rightarrow 3+3+3\alpha+\sqrt{3}\beta+c = 0$$

$$B \Rightarrow 16+0+4\alpha+0+c = 0$$

$$C = 0$$

$$\alpha = -4$$

$$-12+\sqrt{3}\beta = -12$$

$$\chi^{2}+y^{2}-4\chi = 0$$

$$\begin{cases}
c = 0 \\
3\alpha + \sqrt{3} & = -12 \\
4\alpha = -16 \\
0 = -4
\end{cases}$$

FORMULA PER LA DISTANZA DI

UN PUNTO $P(x_0,y_0)$ DA UNA

RETTA $Q \times + \mathcal{G} \cdot y + C = Q$ (FORMA IMPLICITA)

$$d = \frac{\left| \alpha \times_0 + \beta - y_0 + c \right|}{\sqrt{\alpha^2 + \beta^2}}$$