PUNTO- RETTA

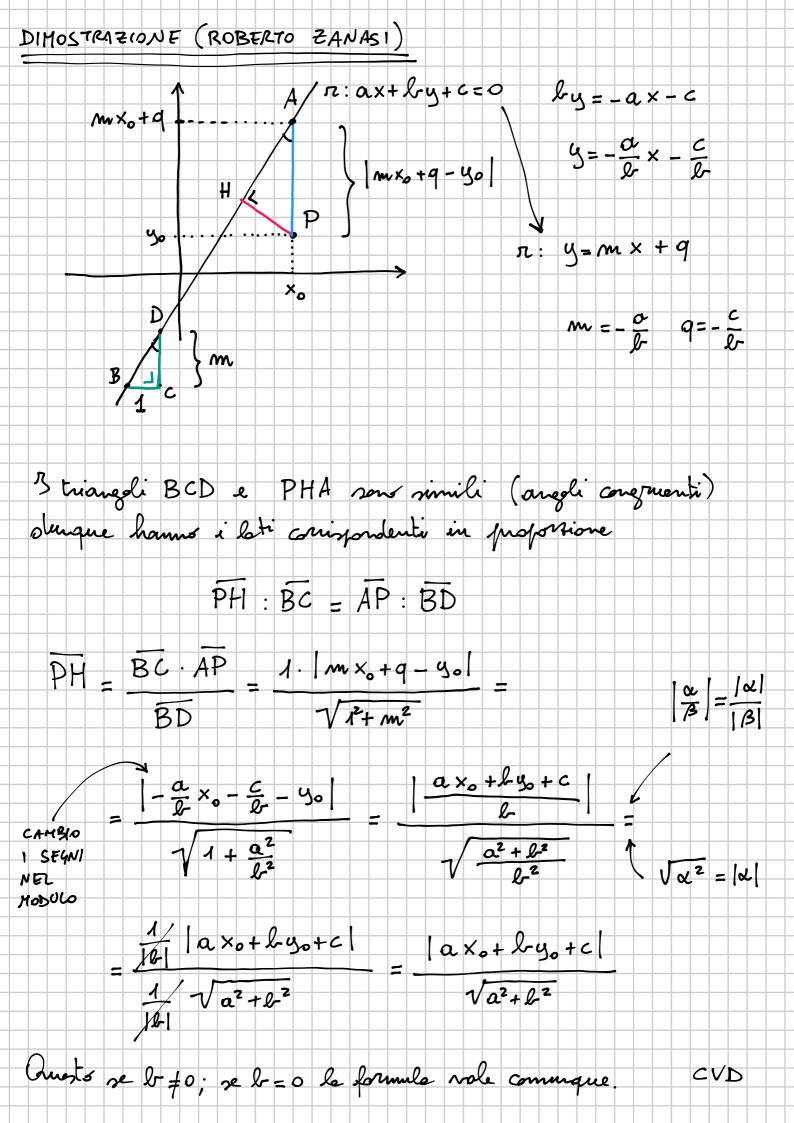
$\pi: \alpha \times + \beta + c = 0$ $d(P, \pi) = \frac{|\alpha \times \alpha + \beta + c|}{\sqrt{\alpha^2 + \beta^2}}$

$$\pi: y = -\frac{1}{2}x - \frac{1}{2}$$

DISTANZA

 $P(x_o, y_o)$

$$d(P,n) = \frac{|2+2\cdot 2+1|}{\sqrt{1^2+2^2}} = \frac{7}{\sqrt{5}}$$



Determina l'area del triangolo 440 A(-1,2) B(0,3) C(4,-1)lase AB $AB = \sqrt{(-1-0)^2 + (2-3)^2} = \sqrt{2}$ CH = d (C, notto AB) eq. notto AB $\frac{9-2}{3-2} = \frac{\times +1}{0+1}$ y-2=x+1 x-y+3=0 $\frac{\overline{CH}}{\sqrt{a^2 + b^2}} = \frac{|4 - (-1) + 3|}{\sqrt{1^2 + (-1)^2}} = \frac{8}{\sqrt{2}}$

 $A = \frac{1}{2} \overrightarrow{AB} \cdot \overrightarrow{CH} = \frac{1}{2} \sqrt{2} \cdot \frac{8}{\sqrt{2}} = \frac{8}{2} = 4$

DISEQUAZIONI RIPASSO 122 $x^3 + 5x^2 - 6x < 0$ $[x < -6 \lor 0 < x < 1]$ $\times (x^2 + 5x - 6) < 0$ x (x+6)(x-1) < 0 (1) (2) (3) (1) x>0 2 x+6>0 x>-6 - - - o + 3 x-1>0 × > 1 φ † φ Θ φ + x<-6 V 0 < x < 1 118 $x^2 - x + 3 < x + 2$ [Impossibile] x - 2 × +1 < 0 (x-1)² 40 Gjø si vede che e jugssilile ferde Se andomi avanti (x-1)(x-1) <0 (1) x-1>0 x>1 S = Ø (2) x-1>0 x>1 fledre non simboli -

(x+2)(x-2)

