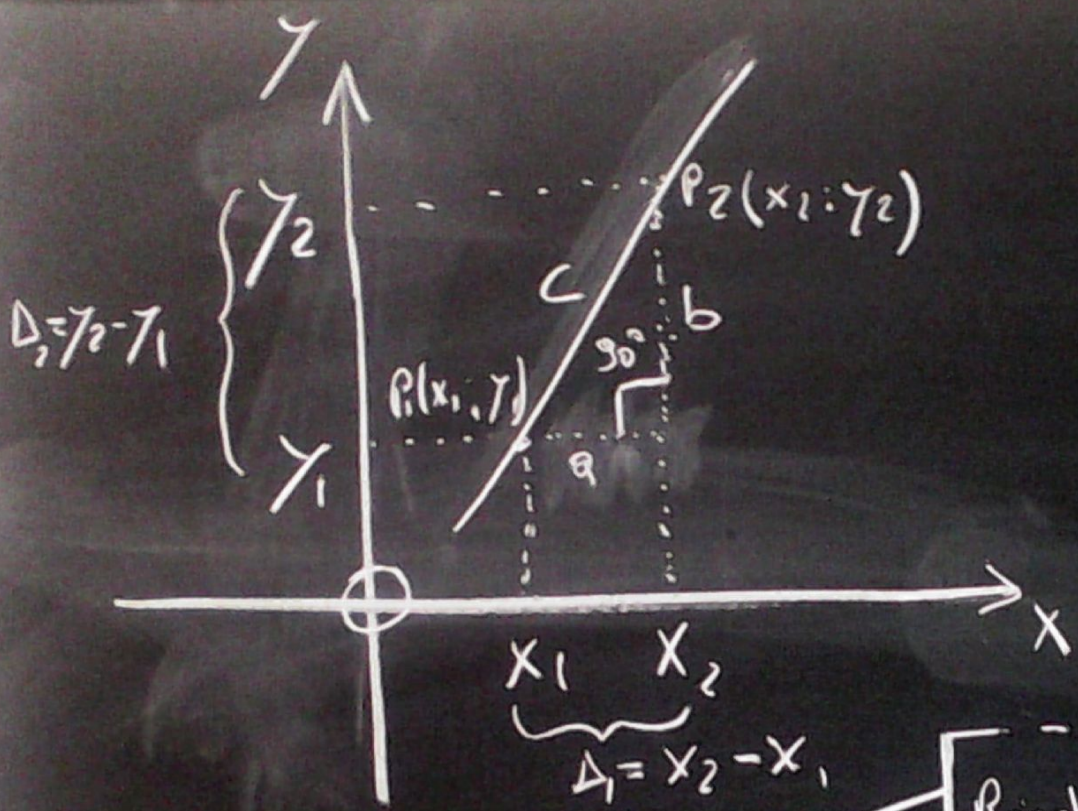


DISTANZA TRA 2 PUNTI D.
UNA RETTA



$$\Delta_y = y_2 - y_1$$

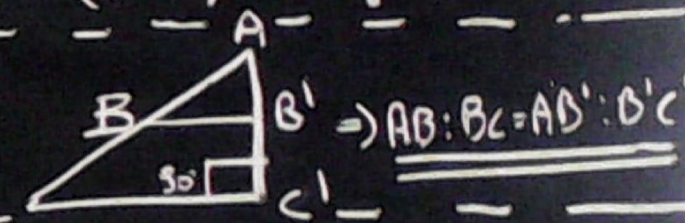
$$\Delta_x = x_2 - x_1$$

$$c = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2} \Rightarrow \text{POSTO}$$

$$P_1(3, 5) \text{ E } P_2(-2, 4) \Rightarrow$$

$$c = \pm \sqrt{(-2 - 3)^2 + (4 - 5)^2} = \pm \sqrt{25} = |5|$$

Ricordando \Rightarrow EULERO \Rightarrow



$$\Rightarrow AA'' : AA' = BB'' : BB' \text{ con } \left. \begin{matrix} P_1(x_1, y_1) \\ P_2(x_2, y_2) \\ P_3(x, y) \end{matrix} \right\}$$

$$(x - x_1)(x_2 - x_1) = (y - y_1)(y_2 - y_1)$$

RISOLVENDO $\Rightarrow x(\underbrace{y_2 - y_1}_a) + y(\underbrace{x_1 - x_2}_b) +$

$$+ \underbrace{y_1 x_2 - x_1 y_2}_c = 0 \Rightarrow ax + by + c = 0 \Rightarrow \text{EQUAZIONE RETTA GENERALE}$$

