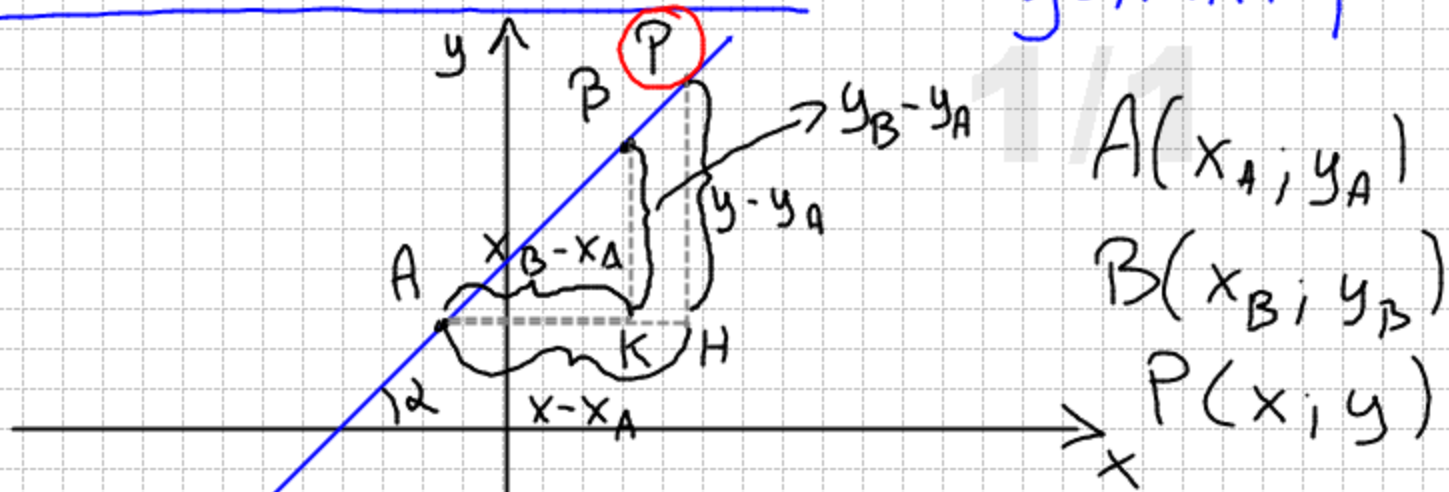


# EQUAZIONE GENERICA RETTA

$$y = mx + q$$



$A(x_A, y_A)$   
 $B(x_B, y_B)$   
 $P(x, y)$

$$\frac{\overline{PH}}{\overline{BK}} = \frac{\overline{AH}}{\overline{AK}}$$

$$\frac{y - y_A}{y_B - y_A} = \frac{x - x_A}{x_B - x_A}$$

equazione  
della retta  
passante per A, B.

ES

$$y = mx + q$$

Scrivere l'eq. della retta passante per  $A(1; 1)$ ,  $B(2; 5)$

$$\frac{y - y_A}{y_B - y_A} = \frac{x - x_A}{x_B - x_A}$$

$$\frac{y - 1}{5 - 1} = \frac{x - 1}{2 - 1}$$

$$\frac{y - 1}{4} = \frac{x - 1}{1} \quad y - 1 = 4(x - 1)$$

$$y = 4x - 3$$

$\downarrow$   $m$        $\downarrow$   $q$

x	y
0	-3
1	1

