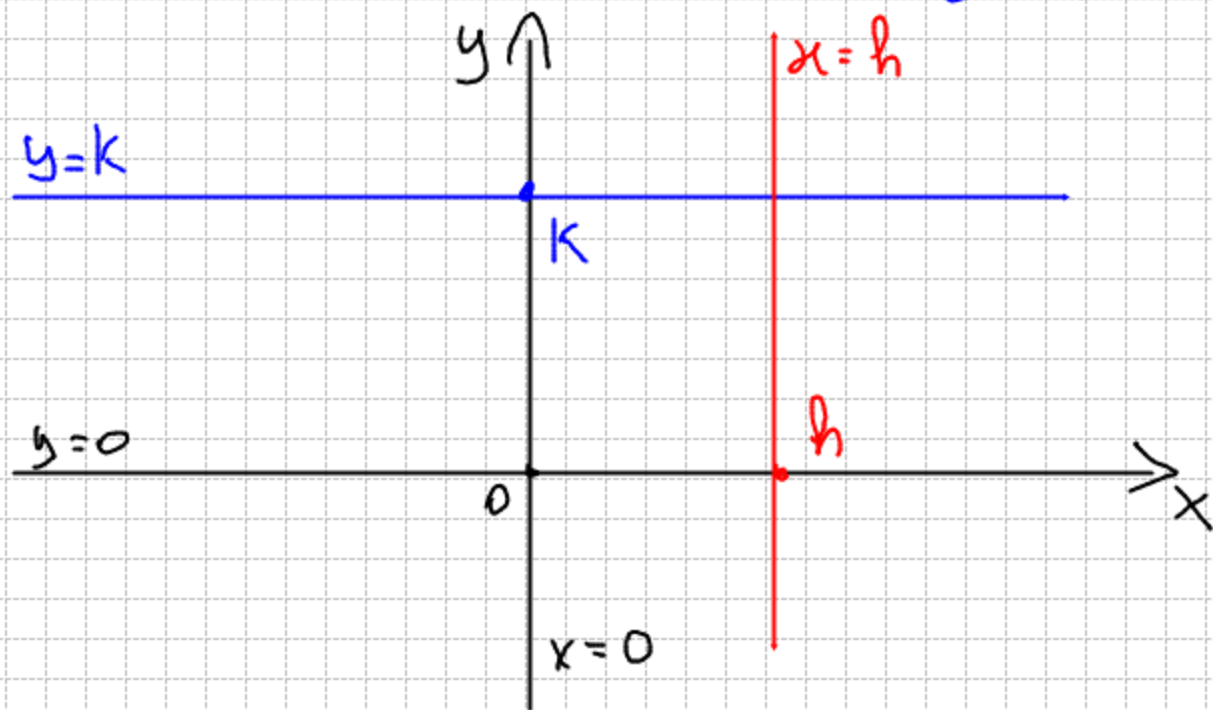


LE RETTE

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- EQUAZIONI DEGLI ASSI E DELLE RETTE // AGLI ASSI



equazione asse x : $y=0$

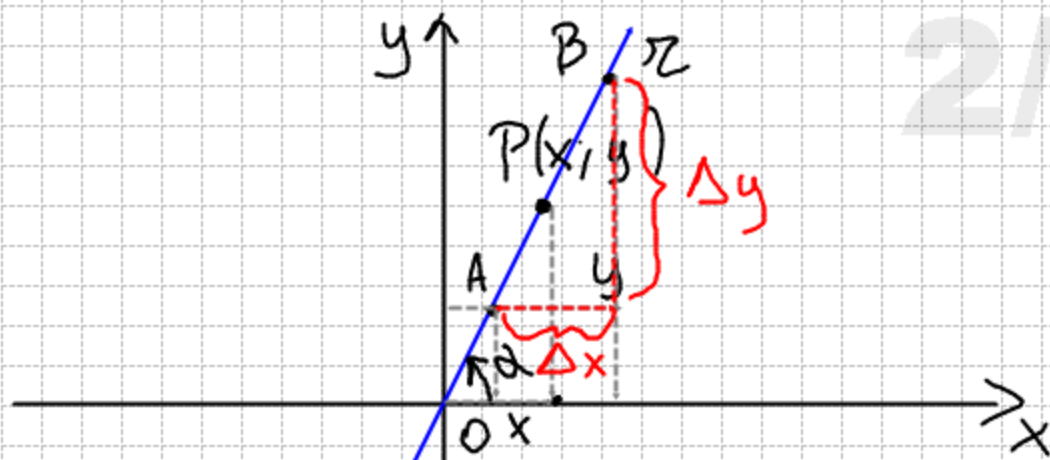
equazione asse y : $x=0$

equazione rette // asse x : $y=k$ $k \in \mathbb{R}$

equazioni rette // asse y : $x=h$ $h \in \mathbb{R}$

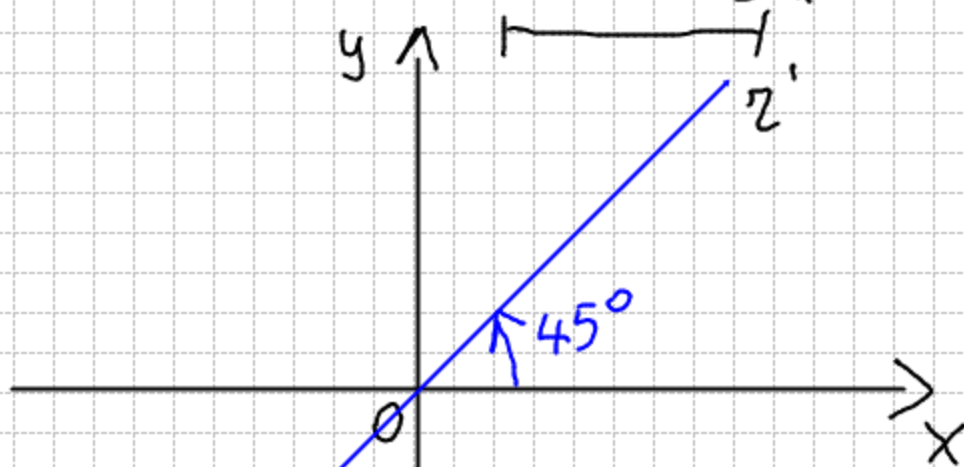
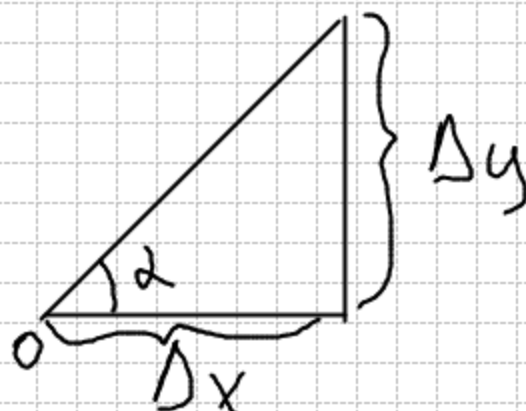
EQUAZIONI DI RETTE PER L'ORIGINE

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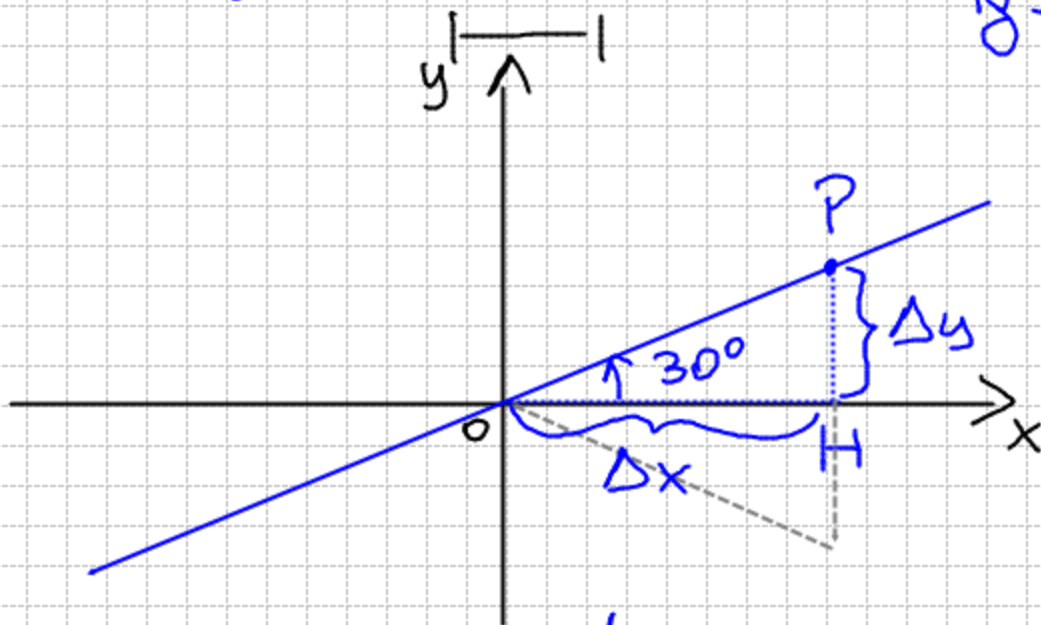
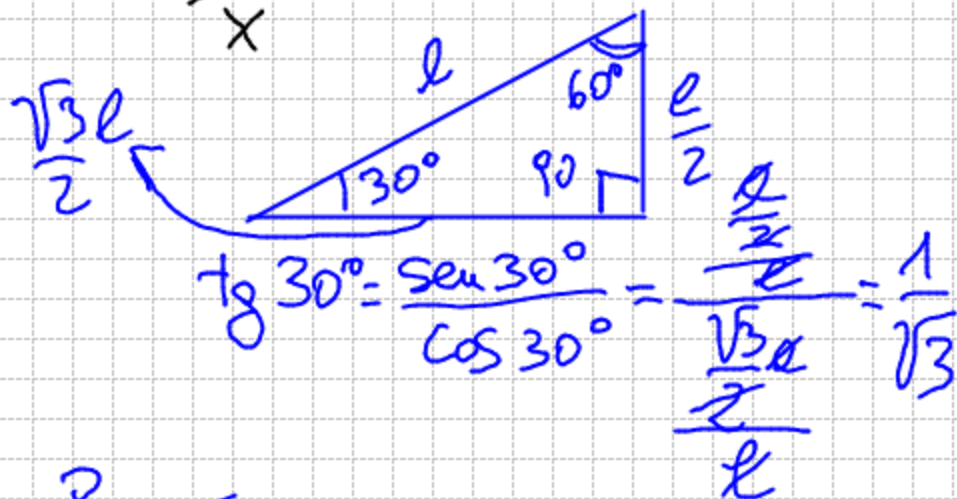
$r: y = m x$

$m = \text{Tg } \alpha = \frac{\Delta y}{\Delta x}$



$\text{Tg } 45^\circ = 1 = m$

$y = m x \Leftrightarrow y = x$



$\overline{PH} = \frac{1}{2} \overline{OP}$

$\overline{OP} = 1$

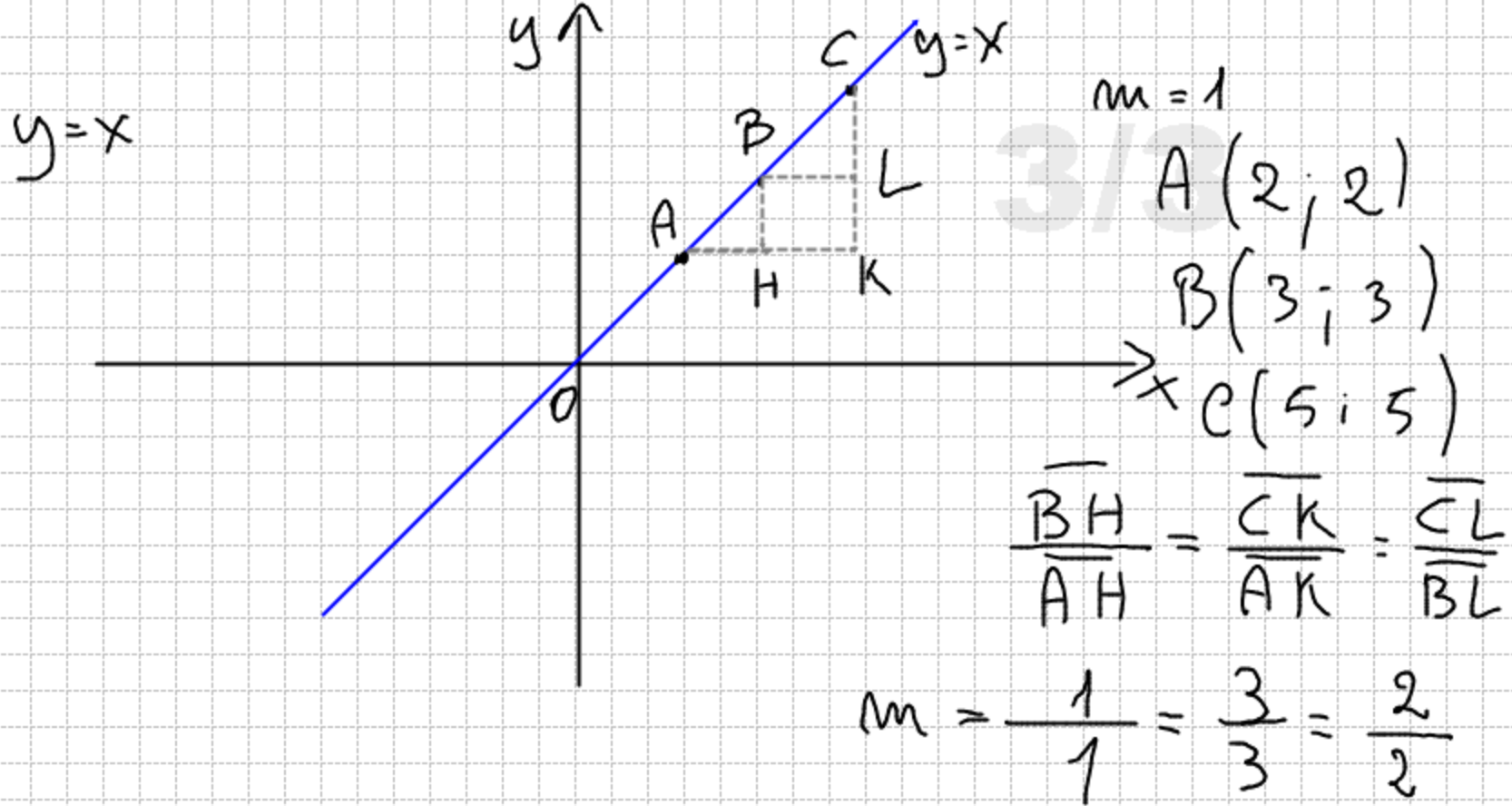
$\overline{PH} = \frac{1}{2}$

$y = m' x \quad m' = \frac{\Delta y}{\Delta x} = \frac{\frac{1}{2}}{\frac{\sqrt{3}}{2}} = \frac{1 \cdot 2}{2 \sqrt{3}} = \frac{\sqrt{3}}{3}$

$\overline{OH} = \sqrt{1 - \frac{1}{4}} = \frac{\sqrt{3}}{2}$

$m' = \text{Tg } 30^\circ = \frac{\sqrt{3}}{3}$

$y = \frac{\sqrt{3}}{3} x$



ESERCIZIO

Scrivere equazione della retta che passa per $O(0; 0)$
 e forma con l'asse delle ascisse un angolo di
 60° (possibilmente scrivere utilizzare la calcolatrice)