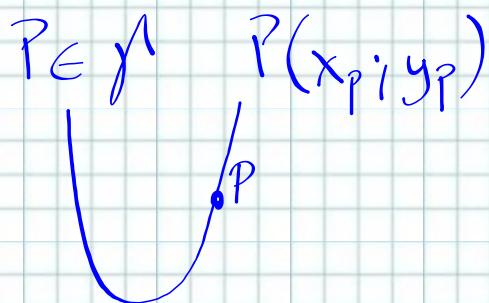


$$\gamma: y = ax^2 + bx + c$$



$$\frac{y+y_p}{2} = a\left(\frac{x+x_p}{2}\right)^2 + b\left(\frac{x+x_p}{2}\right) + c$$

$y \rightarrow \frac{y+y_p}{2}$
$x \rightarrow \frac{x+x_p}{2}$
$y^2 \rightarrow y y_p$
$x^2 \rightarrow x x_p$

$$\begin{cases} \text{fascio rette} \\ \text{parabola} \end{cases} \quad \begin{cases} y - y_p = m(x - x_p) \\ y = ax^2 + bx + c \end{cases}$$

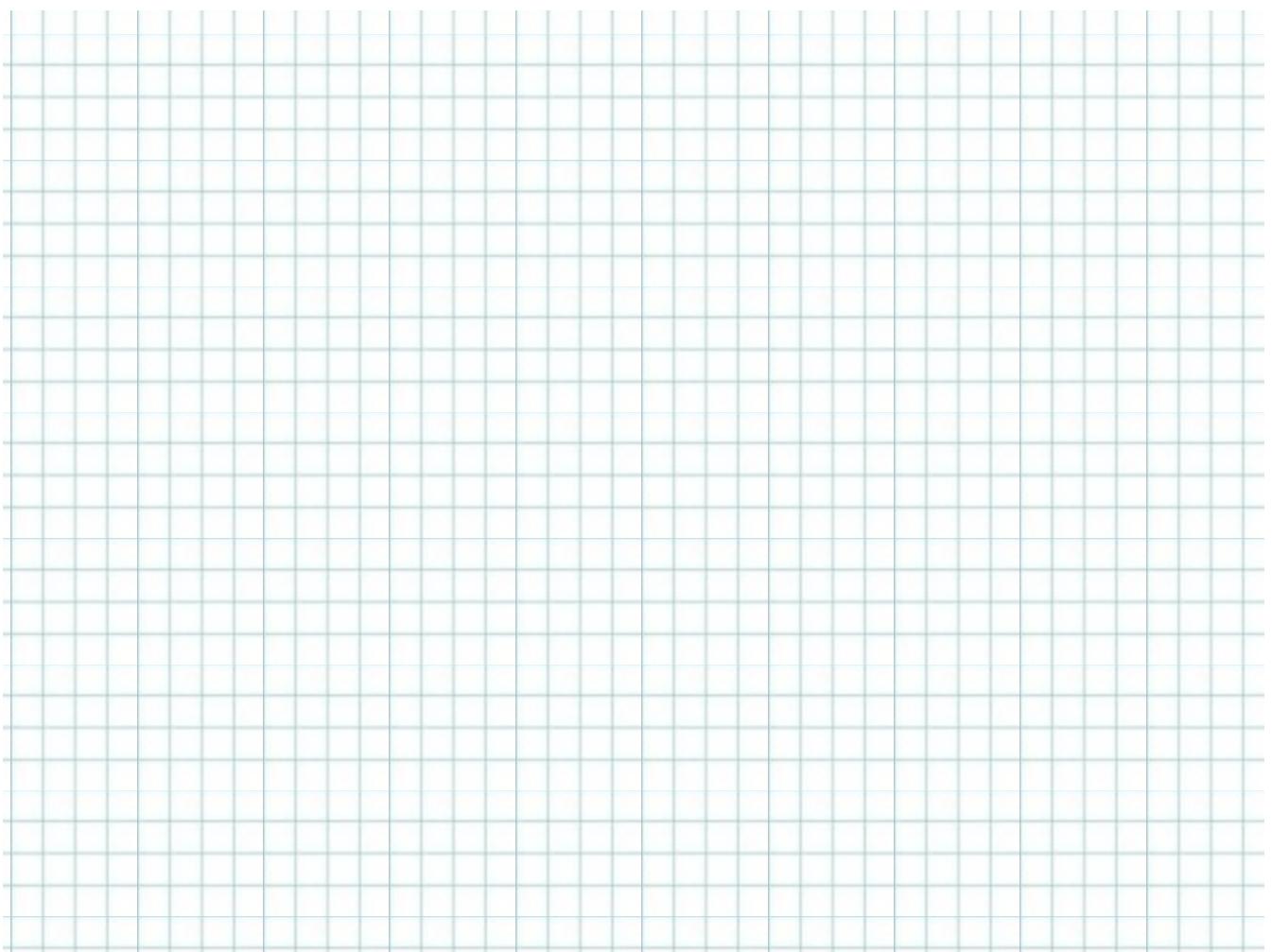
$$\begin{cases} ax^2 + bx + c - y_p = mx - mx_p \\ y - y_p = m(x - x_p) \end{cases} \quad \textcircled{*}$$

equazione risolvibile

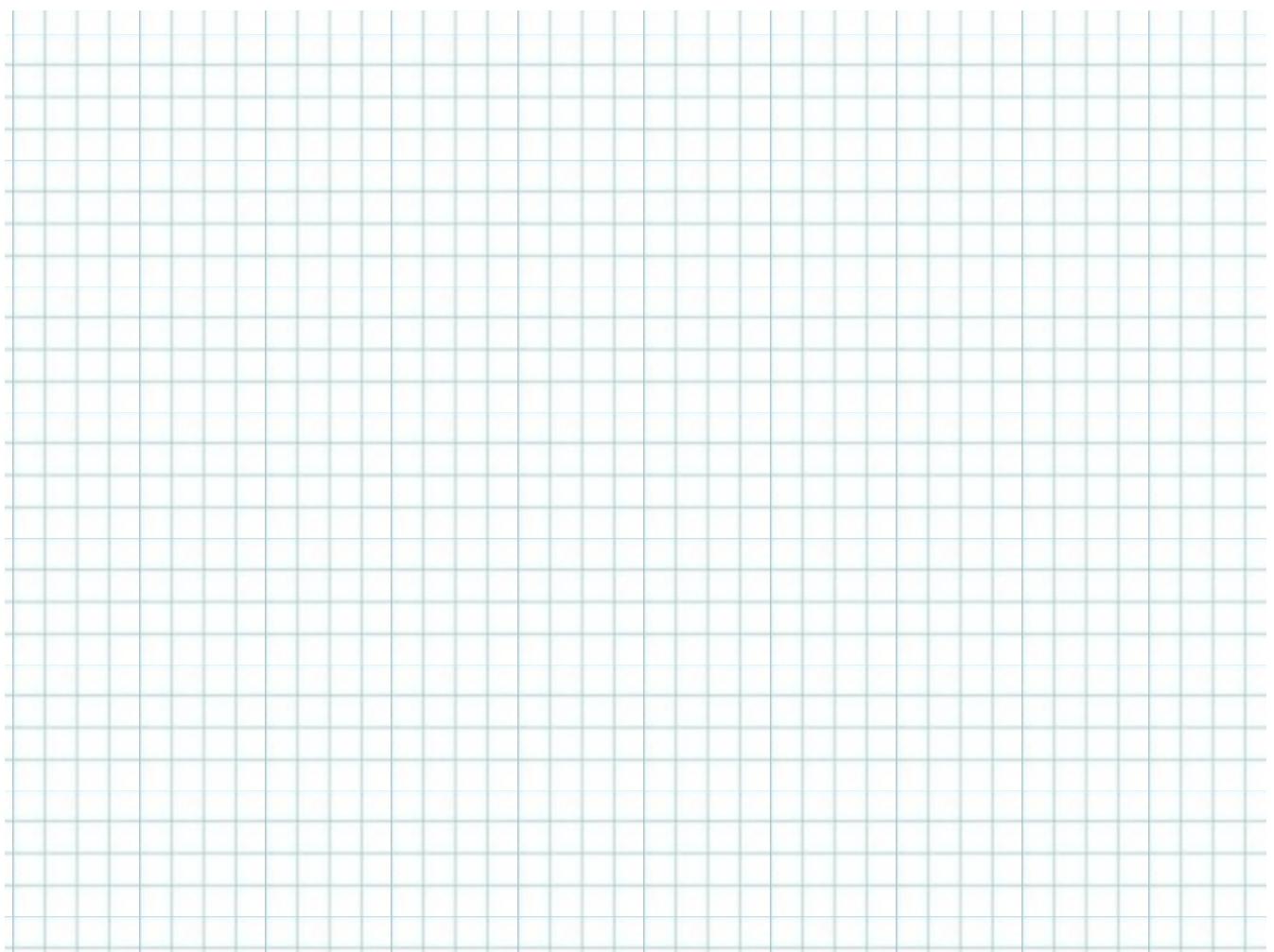
$$ax^2 + x(b-m) + c - y_p + mx_p = 0$$

condizione di tangenza $\Delta = 0$

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