3. Lip Given
$$L, p. \Rightarrow p_0, st., pp. Ll,$$

$$Bel. | \text{line } L \text{ line } L' = \begin{pmatrix} distance(p, l) \\ p. & l \end{pmatrix}$$

Solle method 1.

$$pell \Rightarrow frl=0 popll) = \begin{cases} ax_0 + by_0 + c = 0 \\ ay_0 - bx_0 + c' = 0 \end{cases} 2. \quad (v(b)) = 0 c' = bx - ay c' =$$

0=(g)(g)

$$pople (Axp) = \begin{cases} (Axp) = 0 \\ (Axp) = 0 \end{cases}$$

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$$\Rightarrow$$

 $l=(g), p\in P, p=(g)$

$$(x_{0} = \frac{-\alpha c' - bc}{\alpha^{2} + b^{2}} + \frac{bc}{\alpha^{2} + b^{2}} + \frac{bc}{\alpha^{2} + b^{2}} + \frac{bc}{\alpha^{2} + b^{2}})$$

$$(x_{0} = \frac{-ac' - bc}{\alpha^{2} + b^{2}} + \frac{bc}{\alpha^{2} + b^{2}})$$

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(pxp)_l :
$$(x^{-1})^{-1}(a) = 0$$
 : $(x^{-1})^{-1}(a) = 0$: $(x^{-1})^$

athod 2: (see 232 dishet
$$p_1, p_1 \in \mathbb{R}^2$$
, LER3,

$$(=(g)=(g), n=(g)$$

$$0=\left(\begin{array}{c} 1\\ 1\\ 1\end{array}\right)\left(\begin{array}{c} 1\\ 1\\ 1\end{array}\right)=0$$

$$f(x) = \frac{1}{2} \int_{-\infty}^{\infty} \left(\frac{1}{2} \right) + \left(\frac{1}{2} \right) \int_{-\infty}^{\infty} \left(\frac{1}{2} \right) = 0$$

$$(1)^{2} = (2)^$$

solve in method 1:

$$(x^{2} + (x-x_{0})^{2} + (y-y_{0})^{2})$$

$$= \frac{a^{2}(12)^{2}}{(62+6)^{2}} + \frac{b^{2}(12)^{2}}{(62+6)^{2}} =$$

$$(here $L(p) = Up = axtby+C)$$$