Given a set {(xi, yi)}; of points. Before: thought of this as N pts in 1R2 $\widehat{Nom}: \quad \overrightarrow{X} = \begin{pmatrix} x^{i} \\ \vdots \\ x^{i} \end{pmatrix} \quad \stackrel{\downarrow}{\lambda} = \begin{pmatrix} x^{i} \\ \vdots \\ x^{i} \end{pmatrix} \quad \stackrel{\downarrow}{\xi} = \begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix}$ X, P, E E RM NOTICE: if y:=mxith be all i then 7= mx+bE. in other words the 3 vectors are linearly dependent.
But that's NOT TRUE. X = span a plane (a 2-don'l space) IRN and 7 doesn't belong to that plave.

$$||\nabla - \vec{r}||^2 = ||m\vec{x} + b\vec{E} - \vec{r}||^2 = ||m\vec{x} + b\vec{E} - \vec{r}||^2$$

$$||\Delta 1|^2 = |\Delta \cdot \Delta|$$

$$||\Delta 1|^2 = |\Delta 1|^2 = |\Delta 1|$$

$$||$$