ex) (a)
$$V = \begin{bmatrix} -1 \\ 3 \end{bmatrix}$$
, $U = \begin{bmatrix} 2 \\ 1 \end{bmatrix}$

Proju(v) = $\underbrace{(U + V)}_{(U + U)} U = \frac{1}{5} \begin{bmatrix} 2 \\ 1 \end{bmatrix} = \begin{bmatrix} 2/5 \\ 1/5 \end{bmatrix}$

1.3 Lines and Planes

 $\begin{bmatrix} y \\ x \end{bmatrix}$

E E E E

Mi normal vector to the line or X = t d, d = [-1]didirection vector.