· [Vector] intro for linear Algebra

$$\begin{array}{c}
4 \\
6
\end{array}$$

$$\overrightarrow{V} = (2,4,6)$$

· Real Coordinate space

R => 2D real Coordinate space.

= all possible real

valued 2-tuple

 $2e = \begin{bmatrix} x \\ y \end{bmatrix} \text{ Any }$   $2e = \begin{bmatrix} x \\ y \end{bmatrix} \text$ 

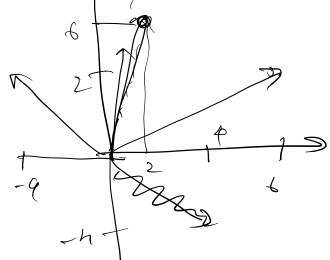
· Adding vectors also brically & graph; cally.

$$\vec{a} = \begin{bmatrix} 6 \\ 2 \end{bmatrix} \quad \vec{b} = \begin{bmatrix} -4 \\ 4 \end{bmatrix}$$

$$\begin{array}{c}
5 \\
6 \\
4
\end{array}$$

$$\frac{7}{6} + \frac{7}{6} = \begin{bmatrix} 6 \\ 2 \end{bmatrix} + \begin{bmatrix} -4 \\ 4 \end{bmatrix} = \begin{bmatrix} 2 \\ 6 \end{bmatrix}$$

3, B e122



· Multiplying Scalor

$$\vec{a} = \begin{bmatrix} 2 \\ 1 \end{bmatrix}$$

$$\vec{a} = \begin{bmatrix} 2 \\ 1 \end{bmatrix}$$
  $3\vec{a} = \begin{bmatrix} 6 \\ 3 \end{bmatrix}$ 

