

Terminology

Scalars: $7, 4.1, 10^{-29}$

Vectors: 1×3
 $[1, 2, 3]$
row

4×1
 $\begin{bmatrix} 4.1 \\ 6.9 \\ 11.2 \\ -1.8 \end{bmatrix}$ ← column

Matrices: $\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$

$3 \times 4 \Rightarrow \begin{bmatrix} . & . & . & . \\ . & . & . & . \\ . & . & . & . \end{bmatrix}$

2×2
rows columns