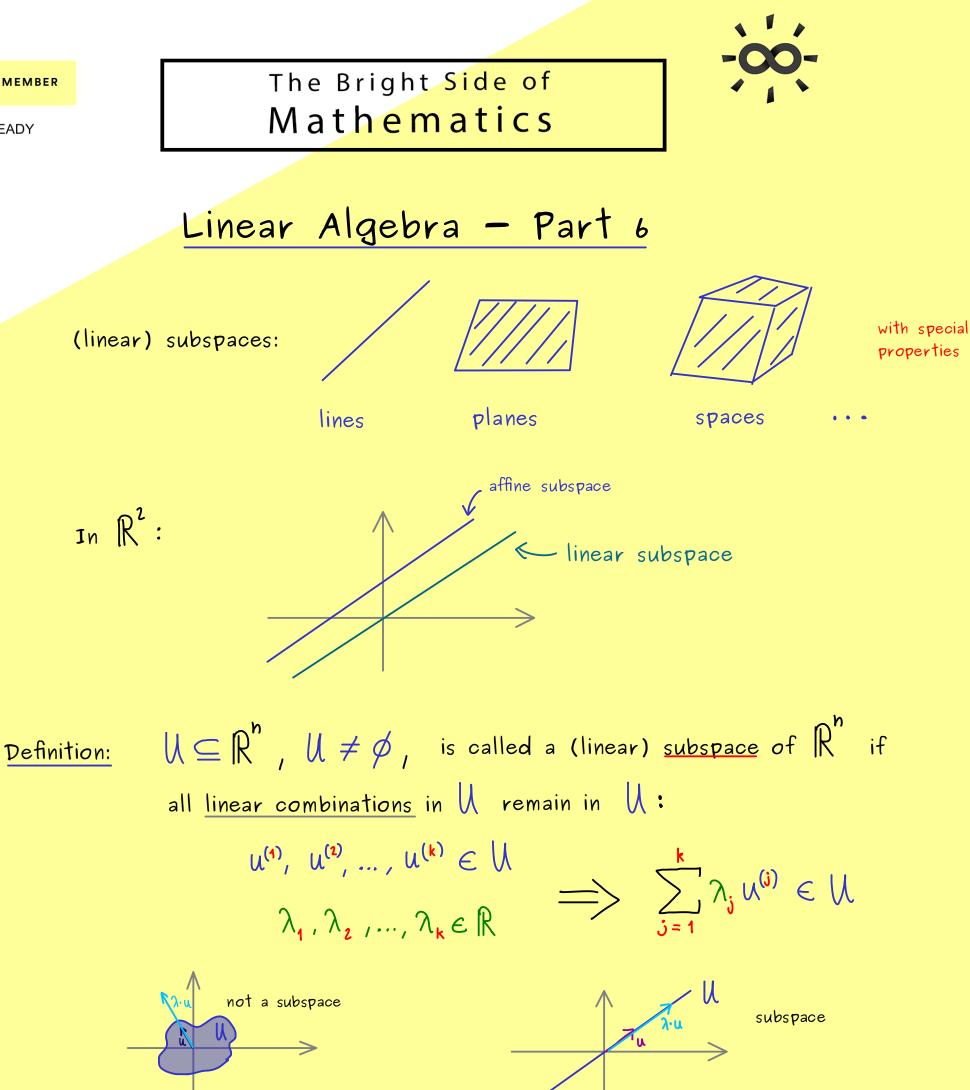


ON STEADY



Characterisation for subspaces:

$$(a) \quad 0 \in \mathcal{U}$$

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$$(b) \quad u \in \mathcal{U}, \ \lambda \in \mathbb{R} \implies \lambda \cdot u \in \mathcal{U}$$

$$(c) \quad u, v \in \mathcal{U} \implies u + v \in \mathcal{U}$$

Examples: $U = \{ o \}$ subspace: $U = \mathbb{R}^{n}$ all other subspaces U satisfy: $\{ o \} \subseteq U \subseteq \mathbb{R}^{n}$