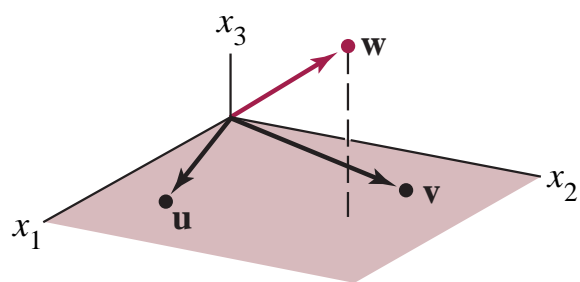


Linearly dependent,
 \mathbf{w} in $\text{Span}\{\mathbf{u}, \mathbf{v}\}$



Linearly independent,
 \mathbf{w} not in $\text{Span}\{\mathbf{u}, \mathbf{v}\}$

FIGURE 2 Linear dependence in \mathbb{R}^3 .