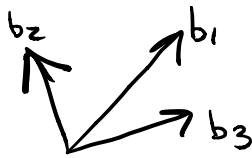# What is a Basis?

- Set of vectors that:

  1) Are not linear combinations (linearly independent)

  2) Span the space

$$b_3 \neq a_1 b_1 + a_2 b_2$$

↖ linearly independent