

$$(a, b, c) \neq (a, c, b)$$

~~3~~

3 tuple

triple

$$\{a, b\} = \{b, a\}$$

ordered pair  $(x, y)$

Cartesian product

$$C = A \times B$$

$$A = \{1, 2\}$$

$$B = \{a, b\}$$

$$A \times B$$

$$C = \{(1, a), (2, b)\}$$

$$A \times B \neq B \times A$$