

Example:

Let A be the set $\{-1, 0, 1, 2\}$. Which ordered pairs are in the following relations:

$$R1 = \{(a, b) \mid a < b\}$$

$$R2 = \{(a, b) \mid a > b\}$$

$$R3 = \{(a, b) \mid a = b\}$$

$$R4 = \{(a, b) \mid a = -b\}$$

$$R5 = \{a, b \mid 0 \leq a + b \leq 1\}$$