1-22-03 (From)

A relation $R$ is a subset of the product of two sets $A$ and $B$. It is a subset of $A \times B$, where $A \times B$ is the Cartesian product of $A$ and $B$.

Definition: (A kind of function)

1) Each element in the domain is paired with exactly one element in the range.

2) Every element in the domain is paired with some element in the range.