

Surjective

A function f from set A to set B is called a *surjection* and f is said to be *surjective* if every element in B is mapped onto by some element in A .

In symbols, f is surjective if for every $y \in B$, there is some $x \in A$ with $f(x) = y$. (There may be more than one $x \in A$ with $f(x) = y$.)

A surjective function is also known as an *onto* function.