

Definition

A **set** is a collection of objects. The objects in the collection are called **elements**.

- We write $x \in A$ to say that x is an element of A .
- We write $x \notin A$ to say that x is not an element of A .
- We say that A and B are **equal**, or $A = B$, if they have the same elements, i.e.

$$x \in A \iff x \in B.$$