



Let  $A$  and  $B$  be two sets. The shaded region represents the set difference  $B \setminus A$ .

The shaded region is the set of elements that belong to  $B$  but do not belong to  $A$ .

This region is also denoted by  $B - A$ .

For example, if  $A = \{1, 2, 3\}$  and  $B = \{1, 2, 3, 4, 5\}$ , then the shaded region is  $\{4, 5\}$ .

