



### Definition

Given a subset  $A$  of a topological space, a point  $x$  is said to be *in the boundary of  $A$*  if  $x$  is in both the closure of  $A$  and the closure of the complement of  $A$ .

### Notation

The boundary of a set  $A$  in a topological space is denoted by  $\text{Bdry}(A)$ . Other notation includes  $\partial A$ .



