



### Definition

Given a subset  $A$  of a topological space, a point  $x$  is said to be *in the interior of  $A$*  (an *interior point of  $A$* ) if  $A$  is a neighborhood of  $x$ . The *interior of  $A$*  is the set of all interior points

### Notation

The interior of a set  $A$  of a topological space is denoted by  $\text{Int}(A)$ .



