

**Signature 1.** Let  $A$  be a class. A *element of  $A$*  is an object. Let  $a \in A$  stand for  $a$  is an element of  $A$ . Let  $a \notin A$  stand for  $a$  is not an element of  $A$ .

**Convention 2.** Let a *member of  $X$*  stand for an element of  $X$ . Let  $x$  *belongs to  $X$*  stand for  $x$  is an element of  $X$ . Let  $X$  *contains  $x$*  stand for  $x$  is an element of  $X$ . Let  $x$  is *contained in  $X$*  stand for  $x$  is an element of  $X$ . Let  $x$  *lies in  $X$*  stand for  $x$  is an element of  $X$ . Let  $x$  is *in  $X$*  stand for  $x$  is an element of  $X$ .