* Operators on Sets :-

$\in$: Jane $\in$ F → "Jane is an element of the set F."

$\notin$: Bob $\notin$ F → "Bob is not an element of set F."

$\subseteq$: $\{$Jane, Mary$\}$ $\subseteq$ F → "The set $\{$Jane, Mary$\}$ is a subset of F"

Def: Subset means that all the elements in the set on the LHS are in the set on the RHS.

$\not\subseteq$: $\{$Bob, Jane$\}$ $\not\subseteq$ F → "The set $\{$Bob, Jane$\}$ is not a subset of F."

* $F' := \{$Jane, Mary, Susan, Dana$\}$

$\therefore$ $F' = F$? [$F \subseteq F'$ and $F' \subseteq F$]