1. Complete the following table:

expression	symbol
not	\sim
and	\wedge
or	V
$if, \ldots then \ldots$	\rightarrow
\ldots if, and only if \ldots ,	\leftrightarrow

1. Determine which set of people satisfy the following sentential function:

 $\exists x (x \text{ is the sister of } y)$

To make this sentence true, y has to have a sister. Thus the set of all y we should consider is the set of all people who have a sister.