## Intersection (of sets) Examples with SimBraille

1. A intersection $B$ is written
$A \cap B$
$\because: \%$ :
2. $C$ intersection $D$ equals the empty set is written
$C \cap D=\varnothing$
ロッ:: : : : : :
3. $A$ intersection $B$ equals the set with the elements two and four is written
$A \cap B=2,4$

4. $C$ intersection $D$ equals the set of all $x$ such that $x$ is an element of $C$ and $x$ is an element of $D$ is written

$$
\begin{aligned}
& C \cap D=\{x: x \in C \text { and } x \in D\} \\
& \text { \%:\%:\%: : : }
\end{aligned}
$$

