## Venn Diagrams - Revision 1

1. Shade the region for each of the following and fill in the blank:
a) $A \cap B$


The $\qquad$ of $A$ and $B$
b) $A \cup B$
 The $\qquad$ of $A$ and $B$
c) $A^{\prime}$
 The $\qquad$ of $A$.
2. Distinguish between the following:
a) $A \in B$

$A$ is an $\qquad$ of set B
b) $\quad A \subset B$

$A$ is a $\qquad$ of set B
3. Distinguish between the following using data from the Venn diagram
a) List the elements of B
b) $n(B)$

4. Complete the Venn diagram with the following information, then answer the questions


$$
\begin{aligned}
& U=\{0<x<12\} \\
& A=\{1,2,5,9,10\} \\
& B=\{2,4,5,6,10,11\}
\end{aligned}
$$

List the elements of
a) $A \cap B$
b) $A \cup B$
c) $A^{\prime} \cup B$

