

SECTION C

12.) Draw venn diagram for the following

a) $(A \cup B)'$

b) $A - B$

c) A and B are disjoint sets.

OR

Verify Demorgan's law for the following:

$\cup = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$, $A = \{2, 4, 5, 7, 8, 9\}$ and $B = \{1, 2, 4, 6, 9\}$.

13.) Write down the following as interval and also represent on the number line.

a) $\{x : x \in \mathbb{R}, -5 < x \leq 6\}$

b) $\{x : x \in \mathbb{R}, -11 < x \leq -9\}$.
