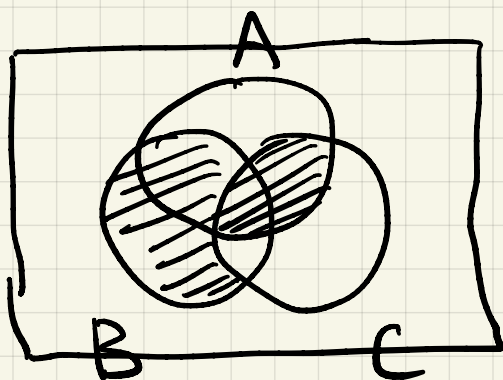


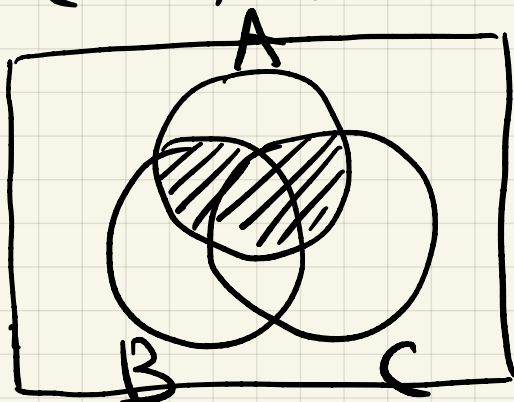
Quiz 9

1.



$$(B - C) \cup (A \cap C)$$

2.



$$A \cap (B \cup C)$$

Note: From Venn diagrams, sets are only different at $B - (A \cup C)$

3. Any example with $B - (A \cup C) \neq \emptyset$ works, say $A = C = \{1\}$, $B = \{2\}$

4. Any example with $B - (A \cup C) = \emptyset$ works, say $A = B = C = \{1\}$