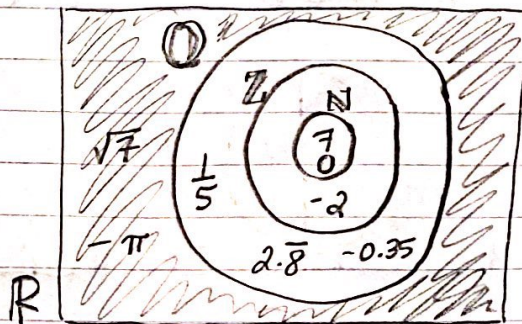
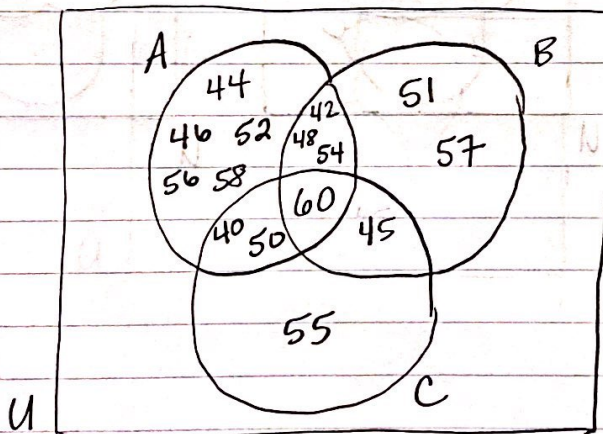


HW 2 F(HL): 3, 6, 7 fgh, 9 fhi, 10 gij (SL): 6, 10, 11 fgh, 13 fhi, 14 gij

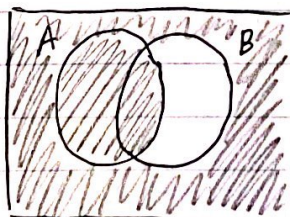
3.) $U = \mathbb{R}$



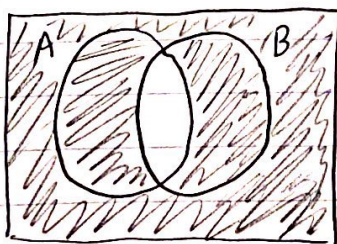
6.) $U = \{x \in \mathbb{Z}^+ \mid 40 \leq x \leq 60\}$,
 $A = \{\text{multiples of } 2\} = \{40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60\}$
 $B = \{\text{multiples of } 3\} = \{42, 45, 48, 51, 54, 57, 60\}$
 $C = \{\text{multiples of } 5\} = \{40, 45, 50, 55, 60\}$



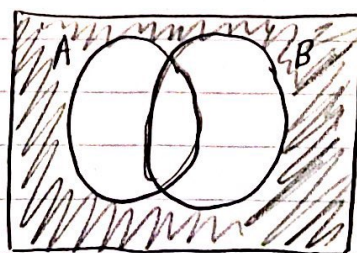
7.) f. $A \cup B'$



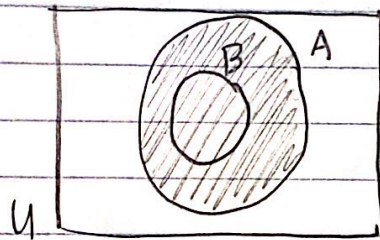
g. $(A \cap B)'$



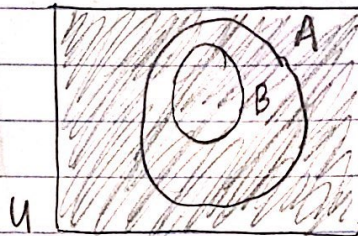
h. $(A \cup B)'$



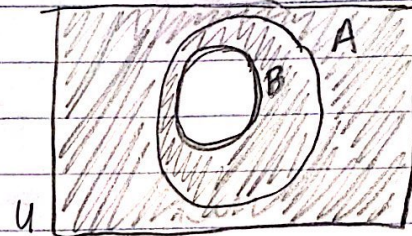
9.) f. $A \cup B$



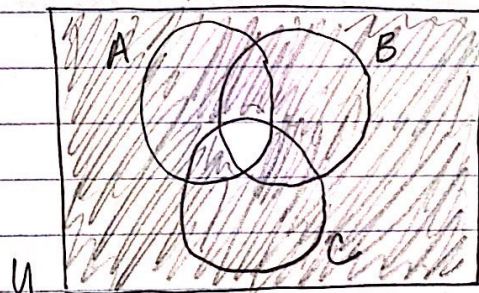
h. $A \cup B'$



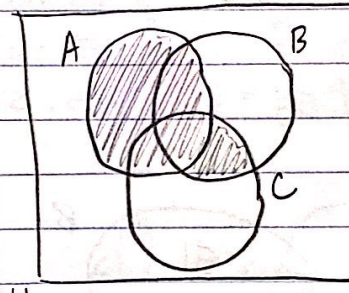
i. $(A \cap B)'$



10.) g. $(A \cap B \cap C)'$



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



j. $A' \cap (B \cup C)$

