

# Assignment\_06

Zhang Huakang | D-B92760-6

**6.**

**a)**

$$\begin{aligned} A \cup \emptyset &= \{x | x \in A \vee x \in \emptyset\} \\ &= \{x | x \in A\} \\ &= A \end{aligned}$$

**b)**

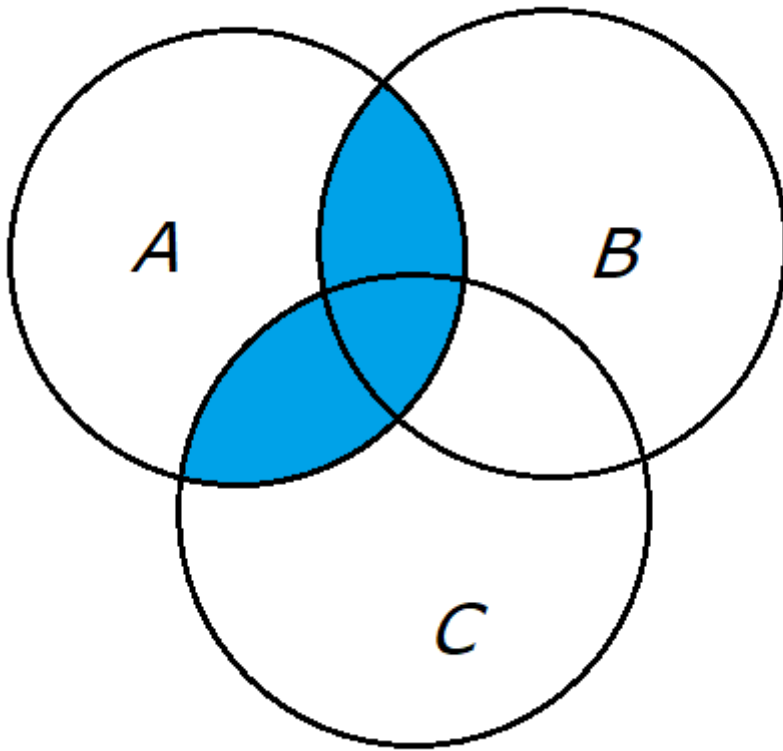
$$\begin{aligned} A \cap U &= \{x | x \in A \wedge x \in U\} \\ &= \{x | x \in A\} \\ &= A \end{aligned}$$

**14.**

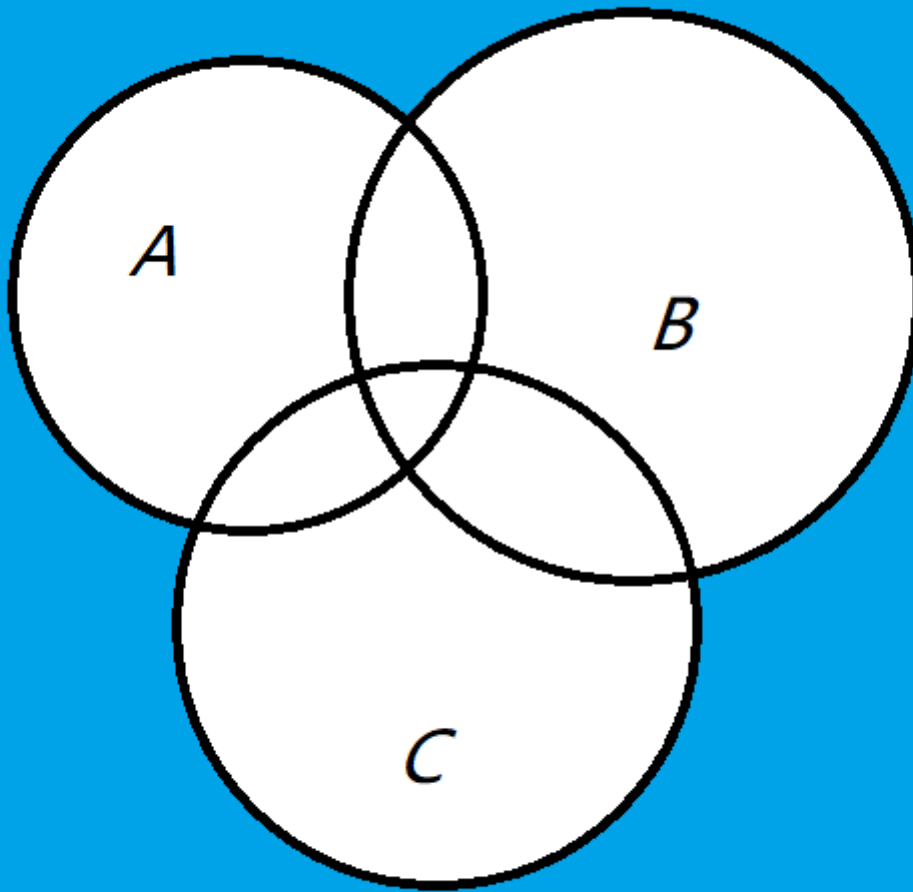
$$\begin{aligned} A &= \{1, 3, 5, 6, 7, 8, 9\} \\ B &= \{2, 3, 6, 9, 10\} \end{aligned}$$

**26.**

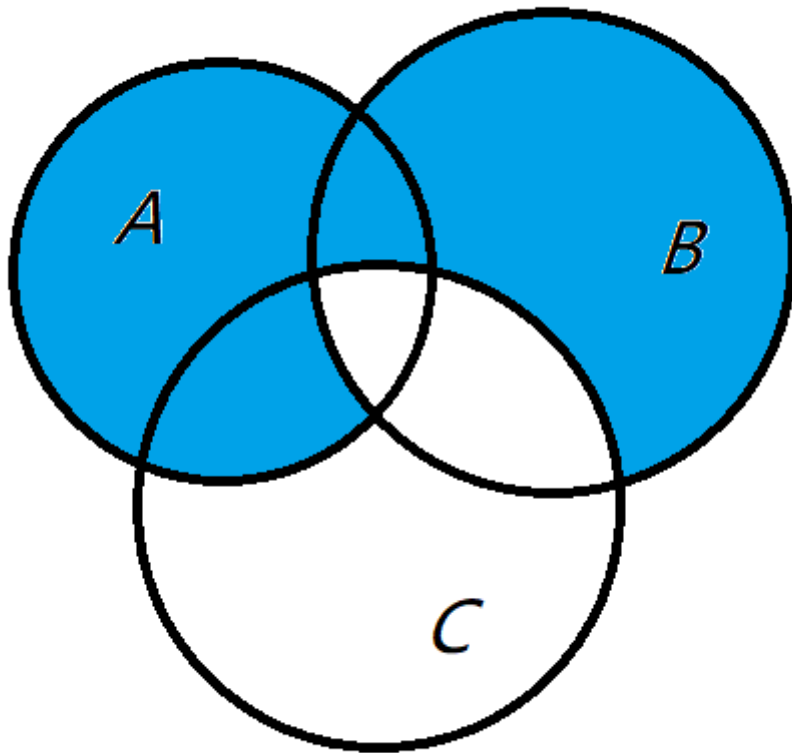
**a)**



**b)**



c)



**32.**

$\{2, 5\}$

**34.**

