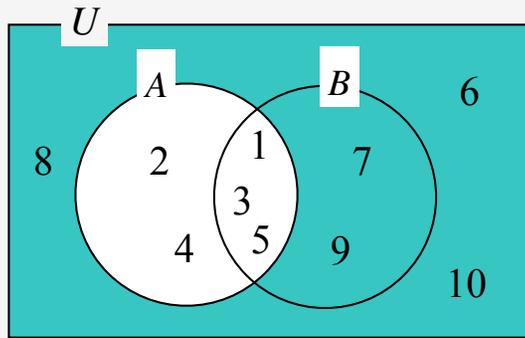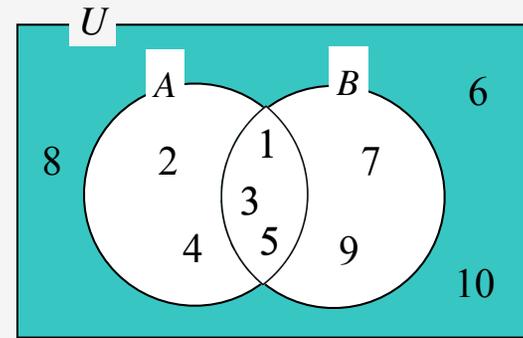**Question 5.** Given the universal set $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ and the sets $A = \{1, 2, 3, 4, 5\}$ and $B = \{1, 3, 5, 7, 9\}$, find the complements.
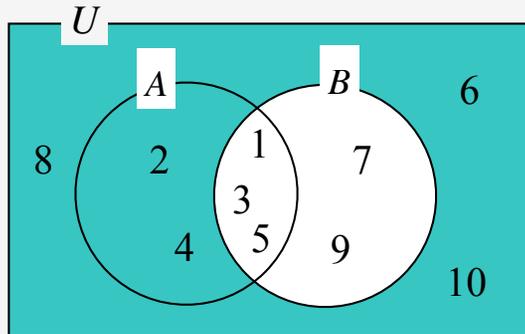
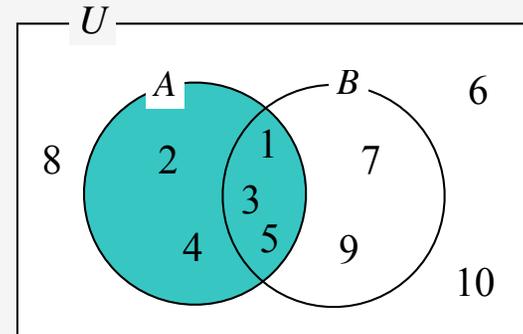(a) $A' = \{6, 7, 8, 9, 10\}$

(d) $(A \cup B)' = \{6, 8, 10\}$

(b) $B' = \{2, 4, 6, 8, 10\}$

(e) $(A')' = \{1, 2, 4, 3, 5\}$

(c) $(A \cap B)' = \{2, 4, 6, 7, 8, 9, 10\}$