We had the following for A°

1. A° is open
2. A° is the largest open set in A
3. $(A^c)^\circ \neq (A^\circ)^c$
4. $(A \cup B)^\circ \neq A^\circ \cup B^\circ$
5. $(A \cap B)^\circ = A^\circ \cap B^\circ$
6. $(A^\circ)^\circ = A^\circ$
7. $A \subset B \Rightarrow A^\circ \subset B^\circ$

1. Prove the corresponding statements for $\bar{A}$

2. Prove $x_n \to x \longrightarrow x_{n_i} \to x$ any subsequence