Theorem (2.2.37c)**.** *Let A be a subset of the universal set U. $A \oplus U = \overline{A}$.*

Proof. By Theorem 2.2.35, $A \oplus U = (A \cup U) - (A \cap U)$. By set domination, and by set identity, that is $U - A$. By Theorem 2.2.19, $U \cap \overline{A}$. By the identity law for sets $A \oplus U = \overline{A}$. ■