double complement	$\overline{\overline{A}} = A$
	$A \cup \overline{A} = U$ $A \cap \overline{A} = \emptyset$
	$\emptyset \cup A = A$ $\emptyset \cap A = \emptyset$
idempotent laws	$A \cap A = A$ $A \cup A = A$
commutative laws	$A \cap B = B \cap A$ $A \cup B = B \cup A$
associative laws	$(A \cap B) \cap C = A \cap (B \cap C)$ $(A \cup B) \cup C = A \cup (B \cup C)$
distributive laws	$A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$ $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$
DeMorgan's laws	$\overline{A \cap B} = \overline{A} \cup \overline{B}$ $\overline{A \cup B} = \overline{A} \cap \overline{B}$