11. Distributivity
$A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$,
$A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$.

12. Idempotency
$A \cap A = A$,
$A \cup A = A$

13. Domination
$A \cap \varnothing = \varnothing$,
$A \cup I = I$

14. Identity
$A \cup \varnothing = A$,
$A \cap I = A$

15. Complement
$A' = \{x \in I \,|\, x \notin A\}$

16. Complement of Intersection and Union
$A \cup A' = I$,
$A \cap A' = \varnothing$

17. De Morgan's Laws
$(A \cup B)' = A' \cap B'$,
$(A \cap B)' = A' \cup B'$

18. Difference of Sets
$C = B \setminus A = \{x \,|\, x \in B \text{ and } x \notin A\}$