De Morgan's laws

$\neg(P \wedge Q)$ is equivalent to $\neg P \vee \neg Q$.
$\neg(P \vee Q)$ is equivalent to $\neg P \wedge \neg Q$.

Commutative laws

$P \wedge Q$ is equivalent to $Q \wedge P$.
$P \vee Q$ is equivalent to $Q \vee P$.

Associative laws

$P \wedge (Q \wedge R)$ is equivalent to $(P \wedge Q) \wedge R$.
$P \vee (Q \vee R)$ is equivalent to $(P \vee Q) \vee R$.

Idempotent laws

$P \wedge P$ is equivalent to P.
$P \vee P$ is equivalent to P.

Distributive laws

$P \wedge (Q \vee R)$ is equivalent to $(P \wedge Q) \vee (P \wedge R)$.
$P \vee (Q \wedge R)$ is equivalent to $(P \vee Q) \wedge (P \vee R)$.

Absorption laws

$P \vee (P \wedge Q)$ is equivalent to P.
$P \wedge (P \vee Q)$ is equivalent to P.

Contradiction laws

$P \wedge$ (a contradiction) is a contradiction.
$P \vee$ (a contradiction) is equivalent to P.
¬(a contradiction) is a tautology.

Conditional laws

$P \rightarrow Q$ is equivalent to $\neg P \vee Q$.
$P \rightarrow Q$ is equivalent to $\neg(P \wedge \neg Q)$.

Contrapositive law

$P \rightarrow Q$ is equivalent to $\neg Q \rightarrow \neg P$.