Identity	Name Law of the double complement	
$\overline{\overline{x}} = x$		
$x + x = x$ $x \cdot x = x$	Idempotent laws	
$x + 0 = x$ $x \cdot 1 = x$	Identity laws	
$x + 1 = 1$ $x \cdot 0 = 0$	Domination laws	
x + y = y + x $xy = yx$	Commutative laws	
x + (y + z) = (x + y) + z $x(yz) = (xy)z$	Associative laws	
x + yz = (x + y)(x + z) $x(y + z) = xy + xz$	Distributive laws	
$\frac{\overline{(xy)} = \overline{x} + \overline{y}}{\overline{(x+y)} = \overline{x} \ \overline{y}}$	De Morgan's laws	
x + xy = x $x(x + y) = x$	Absorption laws	
$x + \overline{x} = 1$	Unit property	
$x\overline{x} = 0$	Zero property	

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Boolean Operator Precedence from highest to lowest:

Precedence	Operator	Notation
1	NOT	!, ', -, -
2	AND	&&, &, ∧, ·
3	OR	, ,V ,+

Note: Parenthesis () take the highest precedence.