1a.	$0.0 = 0$	1b.	$1+1 = 1$
2a.	$1.1 = 1$	2b.	$0+0 = 0$
3a.	$0.1 = 1.0 = 0$	3b.	$1+0 = 0+1 = 1$
4a.	If $x = 0$, then $\overline{x} = 1$	4b.	If $x = 1$, then $\overline{x} = 0$

Table 1: Axioms of Boolean Algebra

5a.	$x.0 = 0$	5b.	$x+1 = 1$
6a.	$x.1 = x$	6b.	$x+0 = x$
7a.	$x.x = x$	7b.	$x+x = x$
8a.	$x.\overline{x} = 0$	8b.	$x+\overline{x} = 1$
9.	$\overline{\overline{x}} = x$		

Table 2: Single-Variable Theorems

Commutative			
10a.	$x.y = y.x$	10b.	$x+y = y+x$
Associative			
11a.	$x.(y.z) = (x.y).z$	11b.	$x+(y+z) = (x+y)+z$
Distributive			
12a.	$x.(y+z) = x.y + x.z$	12b.	$x + y.z = (x+y).(x+z)$
Absorption			
13a.	$x + x.y = x$	13b.	$x.(x+y) = x$
Combining			
14a.	$x.y + x.\overline{y} = x$	14b.	$(x+y).(x+\overline{y}) = x$
DeMorgan's theorem			
15a.	$\overline{x.y} = \overline{x}+\overline{y}$	15b.	$\overline{x + y} = \overline{x}.\overline{y}$
16a.	$x + \overline{x}.y = x + y$	16b.	$x.(\overline{x}+y)$

Table 3: Two- Three-Variable Properties