1.	$\neg\neg p \Longleftrightarrow p$	double negation
2a.	$(p \vee q) \Longleftrightarrow (q \vee p)$	commutative laws
b.	$(p \wedge q) \Longleftrightarrow (q \wedge p)$	
c.	$(p \leftrightarrow q) \Longleftrightarrow (q \leftrightarrow p)$	
3a.	$[(p \vee q) \vee r] \Longleftrightarrow [p \vee (q \vee r)]$	associative laws
b.	$[(p \wedge q) \wedge r] \Longleftrightarrow [p \wedge (q \wedge r)]$	
4a.	$[p \vee (q \wedge r)] \Longleftrightarrow [(p \vee q) \wedge (p \vee r)]$	distributive laws
b.	$[p \wedge (q \vee r)] \Longleftrightarrow [(p \wedge q) \vee (p \wedge r)]$	
5a.	$(p \vee p) \Longleftrightarrow p$	idempotent laws
b.	$(p \wedge p) \Longleftrightarrow p$	
6a.	$(p \vee 0) \Longleftrightarrow p$	identity laws[1]
b.	$(p \vee 1) \Longleftrightarrow 1$	
c.	$(p \wedge 0) \Longleftrightarrow 0$	
d.	$(p \wedge 1) \Longleftrightarrow p$	
7a.	$(p \vee \neg p) \Longleftrightarrow 1$	
b.	$(p \wedge \neg p) \Longleftrightarrow 0$	
8a.	$\neg(p \vee q) \Longleftrightarrow (\neg p \wedge \neg q)$	DeMorgan laws
b.	$\neg(p \wedge q) \Longleftrightarrow (\neg p \vee \neg q)$	
c.	$(p \vee q) \Longleftrightarrow \neg(\neg p \wedge \neg q)$	
d.	$(p \wedge q) \Longleftrightarrow \neg(\neg p \vee \neg q)$	
9.	$(p \rightarrow q) \Longleftrightarrow (\neg q \rightarrow \neg p)$	contrapositive
10a.	$(p \rightarrow q) \Longleftrightarrow (\neg p \vee q)$	implication
b.	$(p \rightarrow q) \Longleftrightarrow \neg(p \wedge \neg q)$	
11a.	$(p \vee q) \Longleftrightarrow (\neg p \rightarrow q)$	
b.	$(p \wedge q) \Longleftrightarrow \neg(p \rightarrow \neg q)$	
12a.	$[(p \rightarrow r) \wedge (q \rightarrow r)] \Longleftrightarrow [(p \vee q) \rightarrow r]$	
b.	$[(p \rightarrow q) \wedge (p \rightarrow r)] \Longleftrightarrow [p \rightarrow (q \wedge r)]$	
13.	$(p \leftrightarrow q) \Longleftrightarrow [(p \rightarrow q) \wedge (q \rightarrow p)]$	equivalence
14.	$[(p \wedge q) \rightarrow r] \Longleftrightarrow [p \rightarrow (q \rightarrow r)]$	exportation law
15.	$(p \rightarrow q) \Longleftrightarrow [(p \wedge \neg q) \rightarrow 0]$	reductio ad absurdum

16.	$p \Longrightarrow (p \vee q)$	addition
17.	$(p \wedge q) \Longrightarrow p$	simplification
18.	$(p \rightarrow 0) \Longrightarrow \neg p$	absurdity
19.	$[p \wedge (p \rightarrow q)] \Longrightarrow q$	modus ponens
20.	$[(p \rightarrow q) \wedge \neg q] \Longrightarrow \neg p$	modus tollens
21.	$[(p \vee q) \wedge \neg p] \Longrightarrow q$	disjunctive syllogism
22.	$p \Longrightarrow [q \rightarrow (p \wedge q)]$	
23.	$[(p \leftrightarrow q) \wedge (q \leftrightarrow r)] \Longrightarrow (p \leftrightarrow r)$	transitivity of $\leftrightarrow$
24.	$[(p \rightarrow q) \wedge (q \rightarrow r)] \Longrightarrow (p \rightarrow r)$	transitivity of $\rightarrow$ *or* hypothetical syllogism
25a.	$(p \rightarrow q) \Longrightarrow [(p \vee r) \rightarrow (q \vee r)]$	
b.	$(p \rightarrow q) \Longrightarrow [(p \wedge r) \rightarrow (q \wedge r)]$	
c.	$(p \rightarrow q) \Longrightarrow [(q \rightarrow r) \rightarrow (p \rightarrow r)]$	
26a.	$[(p \rightarrow q) \wedge (r \rightarrow s)] \Longrightarrow [(p \vee r) \rightarrow (q \vee s)]$	constructive dilemmas
b.	$[(p \rightarrow q) \wedge (r \rightarrow s)] \Longrightarrow [(p \wedge r) \rightarrow (q \wedge s)]$	
27a.	$[(p \rightarrow q) \wedge (r \rightarrow s)] \Longrightarrow [(\neg q \vee \neg s) \rightarrow (\neg p \vee \neg r)]$	destructive dilemmas
b.	$[(p \rightarrow q) \wedge (r \rightarrow s)] \Longrightarrow [(\neg q \wedge \neg s) \rightarrow (\neg p \wedge \neg r)]$	

Equivalenties:

30a.	$p \iff \forall x\, p$ (x niet vrij in p)	loze kwantificatie
ba.	$p \iff \exists x\, p$ (x niet vrij in p)	
31a.	$\forall x\, p(x) \iff \forall y\, p(y)$	herbenoemen van gebonden variabele
b.	$\exists x\, p(x) \iff \exists y\, p(y)$	
32a.	$\forall x\, \forall y\, p(x,y) \iff \forall y\, \forall x\, p(x,y)$	kwantorwisseling
b.	$\exists x\, \exists y\, p(x,y) \iff \exists y\, \exists x\, p(x,y)$	
33a.	$\forall x(p(x) \wedge q(x)) \iff \forall x\, p(x) \wedge \forall x\, q(x)$	$\forall(\wedge) \iff \forall \wedge \forall$ ($\forall$ distribueert over $\wedge$)
b.	$\exists x(p(x) \vee q(x)) \iff \exists x\, p(x) \vee \exists x\, q(x)$	$\exists(\vee) \iff \exists \vee \exists$ ($\exists$ distribueert over $\vee$)
34a.	$\forall x(p \vee q(x)) \iff p \vee \forall x\, q(x)$ (x niet vrij in p)	
b.	$\exists x(p \wedge q(x)) \iff p \wedge \exists x\, q(x)$ (x niet vrij in p)	
35a.	$\neg\forall x\, p(x) \iff \exists x\, \neg p(x)$	$\neg\forall \iff \exists\neg$ (De Morgan)
b.	$\neg\exists x\, p(x) \iff \forall x\, \neg p(x)$	$\neg\exists \iff \forall\neg$ (De Morgan)

Implicaties:

36.	$\forall x\, p(x) \Rightarrow \exists x\, p(x)$	$\forall \Rightarrow \exists$
37.	$\exists x\, \forall y\, p(x,y) \Rightarrow \forall y\, \exists x\, p(x,y)$	$\exists\forall \Rightarrow \forall\exists$
38a.	$\forall x\, p(x) \vee \forall x\, q(x) \Rightarrow \forall x(p(x) \vee q(x))$	$\forall \vee \forall \Rightarrow \forall(\vee)$
b.	$\exists x(p(x) \wedge q(x)) \Rightarrow \exists x\, p(x) \wedge \exists x\, q(x)$	$\exists(\wedge) \Rightarrow \exists \wedge \exists$