	rete.		Quiz 2.	Name						Tin	e		
t	> 15	$0^{\circ}C$ then	the w	rater b	oils."	Write th	he followi	he pressur ng using ^ oils, use "v	, V, and	using the	here and t	temperates " $p < 1$ "	ure i 'and
(8	a) The	e stateme	ent abo	ve (orig	ginal in	nplicatio	on) using	"implies".					ĺ
		$) \wedge (t >$											ŀ
(l	o) Th	e contrap	ositive	of the	statem	nent, usi	ing "If" ar	nd "then".					l
(<	c) Th	e negatio	n of th	e state	ment.								
(0	d) Wr	ite the or	iginal i	mplica	tion us	ing the	words "is	necessary v	vhen."				
(e) Wi	rite the c	ontrapo	ositive 1	using th	he word	"necessar	y."					
((f) Wi	rite the in	nverse u	ising th	ne word	l "suffici	"necessar		one!				
()	(f) Wi	rite the in 1) \vee ($t \leq$	nverse 1	ising th	ne word	l "suffici	"necessar ient." er doesn't			e blank.			
()	(f) Wi	rite the in 1) \vee ($t \leq$	nverse 1	ising th	ne word	l "suffici	"necessar ient." er doesn't	boil.		e blank.			
()	(f) Wi $((p \ge Check$	rite the in 1) \vee ($t \leq 1$) the validation $(x,y) \Rightarrow 1$	nverse to (150))	using this suffice	ne word cient th owing a	l "suffici	"necessar ient." er doesn't	boil.		e blank.			
()	(p) Wi $(p \ge 1)$ Checker $(p \land 2)$	rite the in $1) \lor (t \le 1)$ the validation $(x = Q) \Rightarrow \frac{Q}{P} \Rightarrow Q$	nverse to (150))	ising th	ne word cient th owing a	l "suffici	"necessar ient." er doesn't	boil.		e blank.			
2. (c	(f) With $((p \ge Check) \cap Q)$	rite the in $1) \lor (t \le 1)$ the valid $(a > Q) \Rightarrow (a > 1)$ $(a > Q)$	nverse to (150))	using this suffice	ne word cient th owing a	l "suffici	"necessar ient." er doesn't	boil.		e blank.			
2. (c)	(f) Wi $((p \ge Check) \cap (P \land P \land Q))$	rite the in 1) \vee ($t \leq 1$) ($t \leq 1$) \vee ($t \leq 1$) \vee ($t \leq 1$) (nverse to (150))	using this suffice	ne word cient th owing a	l "suffici	"necessar ient." er doesn't	boil.		e blank.			
2. (c) P T T	(p) With (p) With (p) Checks (p)	rite the in 1) \vee ($t \leq 1$) ($t \leq 1$) \vee ($t \leq 1$) ($t \leq 1$	nverse to (150))	using this suffice	ne word cient th owing a	l "suffici	"necessar ient." er doesn't	boil.		e blank.			
2. (c) P T T T	(p) With (p) With (p) Checks (p)	rite the in 1) \vee ($t \leq 1$) ($t \leq 1$) \vee ($t \leq 1$) \vee ($t \leq 1$) (nverse to (150))	using this suffice	ne word cient th owing a	l "suffici	"necessar ient." er doesn't	boil.		e blank.			
2. (d) 2. (d) 2. (d) T T T F	$(P \land V)$ $(P \land P)$ $(P \land$	rite the in 1) \vee ($t \leq 1$) ($t \leq 1$) \vee ($t \leq 1$) ($t \leq 1$	nverse to (150))	using this suffice	ne word cient th owing a	l "suffici	"necessar ient." er doesn't	boil.		e blank.			
2. (c) P T T T	$(P \land V)$ $(P \land P)$ $(P \land$	rite the in 1) \vee ($t \leq 1$) ($t \leq 1$) \vee ($t \leq 1$) ($t \leq 1$	nverse to (150))	using this suffice	ne word cient th owing a	l "suffici	"necessar ient." er doesn't	boil.		e blank.			

F F F