

H/W 1.3

10.

			premises				conclusion		
p	q	r	$\sim q$	$p \wedge \sim q$	$p \wedge \sim q \rightarrow r$	$p \vee q$	$q \rightarrow p$	r	
T	T	T	F	F	T	T	T	T	$T \leftarrow$
T	T	F	F	F	T	T	T	F	$F \leftarrow$
T	F	T	T	T	T	T	T	T	$T \leftarrow$
T	F	F	T	T	F	T	T	F	
F	T	T	F	F	T	T	F	T	
F	T	F	F	F	T	T	F	F	
F	F	T	T	F	T	F	T	T	
F	F	F	T	F	T	F	T	F	

In the second row all the premises are true but the conclusion is false. Hence the argument is invalid.