

Write your name and code on the back.

1. { 10 points } **Construct a truth table for the compound proposition**

$$(p \leftrightarrow q) \oplus (p \rightarrow \neg r)$$

p	q	r	$p \leftrightarrow q$	$\neg r$	$p \rightarrow \neg r$	$(p \leftrightarrow q) \oplus (p \rightarrow \neg r)$
T	T	T				
T	T	F				
T	F	T				
T	F	F				
F	T	T				
F	T	F				
F	F	T				
F	F	F				