

Math 231 Practice Quiz**Name:** _____*Fill in each of the truth tables, then explain the operation in your own words.*

p	q	$p \wedge q$
T	T	
T	F	
F	T	
F	F	

Explain:

p	q	$p \vee q$
T	T	
T	F	
F	T	
F	F	

Explain:

p	q	$p \oplus q$
T	T	
T	F	
F	T	
F	F	

Explain:

p	q	$p \rightarrow q$
T	T	
T	F	
F	T	
F	F	

Explain:

Fill in the other three boxes in the table:

<u>Conditional:</u> $p \rightarrow q$	<u>Converse:</u>
<u>Contrapositive:</u>	<u>Inverse:</u>