

Math 2283 - Introduction to Logic

Quiz #12 - 2008.12.03

Name: _____

Define the truth table for $p \square q$ as follows:

p	q	$p \square q$
T	T	F
T	F	T
F	T	T
F	F	F

Determine by the method of truth tables if the following statement is a logical law.

$$[(p \rightarrow q) \square (q \rightarrow p)] \square (p \leftrightarrow q)$$