

Quiz: Truth Tables

No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

Question 1. (1 mark per entry) Using the method shown in class: Compute the complete truth table of the following statement.

$$\neg(A \vee B) \rightarrow [\neg C \iff (A \wedge C)]$$

A	B	C	$A \vee B$	$\neg C$	$A \wedge C$	$\neg C \iff (A \wedge C)$	$\neg(A \vee B)$	$\neg(A \vee B) \rightarrow [\neg C \iff (A \wedge C)]$
T	T	T	T	F	T	F	F	T
T	T	F	T	T	F	F	F	T
T	F	T	T	F	T	F	F	T
T	F	F	T	T	F	F	F	T
F	T	T	T	F	F	T	F	T
F	T	F	T	T	F	T	F	T
F	F	T	F	F	F	T	T	F
F	F	F	F	T	F	F	T	F