

# Quiz 2 MTH 300 Fall 2024

Sunday, September 8, 2024

3:20 PM

Show  $\neg(P \vee Q) = (\neg P) \wedge (\neg Q)$

↑  
logical equivalence

P	Q	$\neg P$	$\neg Q$	$P \vee Q$	$\neg(P \vee Q)$	$(\neg P) \wedge (\neg Q)$
T	T	F	F	T	F	F
T	F	F	T	T	F	F
F	T	T	F	T	F	F
F	F	T	T	F	T	T

columns match!

⇓  
shows logically equivalent