

# Midterm 1 Version 1 Solution

March 19, 2020

## Question 1

a.

$p$	$q$	$r$	$\neg r$	$(p \vee q)$	$(p \vee q) \Rightarrow \neg r$
T	T	T	F	T	F
T	F	F	T	T	T
F	T	F	T	T	T
F	F	T	F	F	T
T	T	F	T	T	T
T	F	T	F	T	T
F	T	T	F	T	T
F	F	F	T	F	F

b.

F	F	T	F	F	T
T	T	F	T	T	T
T	F	T	F	T	T
F	T	T	F	T	T
F	F	F	T	F	F

## Question 2

## Question 3

## Question 4