Homework 6

1) —

2) See notes from class.

3) $(p \to q) \wedge (q \to p)$

p	q	$p \to q$	$q \to p$	$(\ ) \wedge (\ )$
T	T	T	T	T
T	F	F	T	F
F	T	T	F	F
F	F	T	T	T

An implication $(p \to q)$ and its converse $(q \to p)$ are both true exactly when p and q are both true or when p and q are both false.

4) [graded question]

5) [graded question]