Problem 1

p	q	$(p \rightarrow q)$	$(p \rightarrow (p \rightarrow q))$
T	T	T	T
T	F	F	F
F	T	T	T
F	F	T	T

p	$(p \rightarrow p)$	q	$((p \rightarrow p) \rightarrow q)$
T	T	T	T
T	T	F	F
F	T	T	T
F	T	F	F

p	q	$\neg q$	$\neg\neg q$	$(p \leftrightarrow \neg\neg q)$
T	T	F	T	T
T	F	T	F	F
F	T	F	T	F
F	F	T	F	T

p	$\neg p$	$(p \vee \neg p)$	$\neg(p \vee \neg p)$
T	F	T	F
T	F	T	F
F	T	T	F
F	T	T	F

Problem 2

The most obvious WFF that would produce this truth table would be $(p \rightarrow q)$. An second WFF which produces the truth table would be $(\neg p \vee q)$.

Problem 3

An example of a tautologous WFF would be $(p \vee \neg p)$. In this WFF, regardless of if p is true or false, the WFF will be true.