

Math 2001: PHW3

Due: February 3, 2016

1. From the book do:

- 2.1: 6, 10, 12
- 2.3: 4, 12
- 2.5: 2, 6, 10
- 2.6: 10

2. Consider the following incomplete truth table. Fill in the column headings so that this is a valid truth table, using only some combination of P , Q , R , \wedge , and \sim .

P	Q	R					
T	T	T	T	F	F	T	T
T	T	F	F	F	F	T	T
T	F	T	F	F	F	T	T
T	F	F	F	F	T	F	T
F	T	T	F	F	F	T	T
F	T	F	F	F	F	T	T
F	F	T	F	F	F	T	F
F	F	F	F	T	F	T	T