MATH/CS 307: Discrete Mathematics
Spring 2016
Problem List

Section	Problems	Quiz Date
1.1	# 1,4,7,10,13,16,20,24,28,32,36,37,47,53,57,64,68,76,77,80,83,87	Friday 22 Jan
1.2	#1,7,10,12*,15*,16,19,22,25,28,33,36,39,40,42,44,45,55-59,66,67,74 *Give a proper negation of the proposition. That is, do not use some version of "It is not the case that..."	Friday 29 Jan
1.3	#1,3-8,11,12,13,16,19,21,24,27,30,31,34,43,44-49,52,53,59,68*,70,73 Problem A: **SHOW** whether or not the propositions $P = p \wedge (q \vee r)$ and $Q = (p \wedge q) \vee (p \wedge r)$ are logically equivalent. * For # 68, use the directions from Problem A. That is, it is *not sufficient* to simple *state* whether the two propositions are equivalent. You must give a sound explanation of your conclusion.	Friday 29 Jan