MATH/CS 307: Discrete Mathematics
Spring 2016
Problem List

Section	Problems	Due 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
1.4	# 1-5, 6,9,11-15,18,21,24	Friday 29 Jan
1.5	# 12-20,21,24,27,28,31,34,35,38,41,43,44,47,48,49-54,55* *Only negate symbolically. #'s 57-66 are amusing, but not required.	Friday 5 Feb
1.6	#37-60,64-66* *You don't have to use the Logic Game to make your argument.	Friday 5 Feb
2.1	#7,10,13,19,22,25,31,33,37	Friday 12 Feb
2.2	#3,4,6,19,22,30,41	Friday 12 Feb
2.4	#1-7,12,14,21,27	Friday 12 Feb
2.5	#1,2,6-10, 14, 16,19	Monday 15 Feb
	split between Test 1 and Test 2	
3.1	#1,4,6,9,10,13,23,26,32,35,41,48,51,62,70	Friday 26 Feb
3.2	#4,6,8,10,12,17,19,39-50,51,59,67-73,83-86,91-94,117,120,129	Friday 26 Feb
3.3	#13,18-30,37,40,42,48	Friday 4 Mar
3.4	#4-8,9,12,18,21-23,25,26,31,32,35,38	Friday 4 Mar
3.2	(supplementary problems) #76,82,102,110	Friday 4 Mar
3.5	# 1,4,8,11,14,16,19	Friday 4 Mar
4.3	#1-26,28,32-34,42-50,53	Friday 11 Mar
5.1	#4,7,12,15,17,18,23,25(applied to 12,15,17,18,23),29,31	Wednesday 23 Mar
5.2	#4,7,9,16,25,30,32(applied to 25),39,41,45	Friday 25 Mar
5.3	#4,7,10,11(applied to 4,7,10),12,15,23,36,39	Friday 25 Mar
	split between Test 2 and Test 3	
6.1	#20-27,38-51,70,71,86-91	Wednesday 6 Apr
6.2	#10-18,30,40,41,43,46,60-64	Wednesday 6 Apr
6.3	#1,4,5,10,15,18,19,21,22,23,39,42,44,45	Wed 13 Apr
6.4	#1,4,9*,12* *This just means to list the object in lexicographic order	Wed 13 Apr