

Tentative List of Homework Problems

1.1	2, 4, 6, 10, 12, 14, 16, 20, 22, 28, 30 (no inverse), 34	conditional, hypothesis, conclusion, converse, contrapositive
1.2	2, 4, 6, 8	
1.3	6, 8, 12, 20, 22	tautology, logically equivalent, satisfiable
1.4	2, 6, 8, 10, 12, 14, 22, 26, 30, 32, 38	counterexample
1.5	2, 4, 6, 10, 12, 14, 16, 20, 22, 28, 30, 36, 38, 40	
2.1	1, 5, 7, 9, 10, 12, 20, 21, 22, 24, 40, 46, 50	N, R, Z, Z+, subset, equal sets, power set, subset, Cartesian product, cardinality
2.2	1, 2, 14, 15(Venn), 26(Venn), 32	disjoint, union, intersection, complement
2.3	2, 8, 10, 12, 14, 20, 60	function, domain, codomain, range, image, pre-image, one-to-one, onto,
		one-to-one correspondence, composition, floor, ceiling, inverse
3.2	2,8,14	
3.3		P. NP
4.1	26bd,28cd,32,34ab,43	
4.2	2,4,6,21(sum), 22(sum)	
4.4	2,4,6	multiplicative inverse
5.1	4, 22	
5.3	2,6,8,12,20,37	
8.1	2,4,6,8,19,30	
6.1	7-9, 10-14, 24, 28, 36, 37,40,41,54,64,66	
7.1	6 through 20	