

HOMEWORK - Math125 ¹

Topics	Section	Problems
Set Theory	2.1	5, 7, 9, 10
	2.2	2, 10, 15, 19, 20, 24, 30
	2.3	3, 4, 5, 6, 10, 11
	2.4	2, 4, 6, 9, 12, 14
	2.5	1, 4, 5, 9
Induction and Recursion	5.1	1, 4(b,d,g), 6(c, e, h), 9(b, d, e), 15, 19
	5.2	1, 3, 7, 10
	5.3	2, 4, 6, 10
Principles of Counting	6.1	3, 5, 10, 12, 15
	6.2	2, 6, 10, 16, 17
	6.3	1, 4
Combinatorics	7.1	2, 6, 11, 14, 15
	7.2	2, 5, 8, 12, 17
	7.5	2, 5, 7, 8, 14
	7.6	4, 6, 7
	7.7	1, 5
Graphs	9.1	3, 5, 7, 10
	9.2	7, 8, 15, 16, 18(e-h), 21
	9.3	4, 5, 6, 9
Paths and Circuits	10.1	3, 8, 9, 13
	10.2	4, 5, 11, 21
	10.3	2, 7, 8
	10.4	3, 4, 6, 7, 11, 17, 18
Trees	12.1	1, 3, 4, 13, 15, 23, 24
	12.2	4 - 9
	12.3	1, 2
	12.5	1 - 3

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