

Homework Assignments from Text - tentative - additional work may be required. To receive full credit, clearly label each homework with your name, the page, and section number. Additional information regarding the programming assignments will be given to you in class.

Section	Due	Problems
1.1	F-8/24	2a-d, 4a-e, 6a-e, 8a-d, 20a-c, 35 (show work)
	F-8/24	Worksheet 1: combinations, hierarchy, equivalent expression
1.2	M-8/27	4, 8a-b, 10a-b, 18, 30, 32
1.3	W-8/29	2, 4, 6, 12a-f
1.4	F-8/31	2a-b, 4, 10, 12, 16, 18, 20a-b, 24 (discuss / convince me)
1.5	W-9/5	2, 4, 6a-d, 10a-c, 12a-b, 18a-b, 22, 44
1.6	F-9/7	2, 6, 8, 10, 18, 24, 37a-b
1.7	F-9/7	2, 4, 8, 10a-b, 16, 17, 18, 19
1.8	M-9/10	2a-e, 4, 6, 8a, 10, 14, 18, 24a-b
	M-9/10	Worksheet 2: Comparison of Running Times
	M-9/10	Worksheet 3: Comparison of Function Growth Rates
n/a	TBA	Programming Assignment #1: execution times and report; $\log n$, n , $n \log n$, n^2 , n^3 , n^4 , 2^n
2.1	W-9/12	2, 4, 6, 7, 12
2.2	W-9/12	2, 4, 8a, 10a-c, 14
2.3	F-9/14	4, 6, 10a-d, 14, 16a, 18, 22, 24a-b, 32, 40
2.4	M-9/17	2a-c, 4, 6, 8, 12, 18, 22
2.5	M-9/24	2a-e, 4, 6, 12, 18, 22, 26a-d
3.1	W-9/26	2, 12, 14, 18, 20, 26, 60
3.2	W-9/26	rewrite as sums using summation (Σ) notation before proving: [4, 6, 8, 10, 16], 2, 12, 20, 28, 46a-b, 47
	F-9/28	Induction Proofs Worksheet: 1-10
	M-10/1	Induction Proofs Worksheet: 11-20
Ch 3	W-10/3	pg 227: 6, 10, 12, 14
3.3	M-10/8	2a-c, 4a-b, 6a-c, 20, 22a-b, 26, 28, 36
n/a	TBA	Programming Assignment #2: p211: investigating Ackermann's Function; check answers for 3.3.36, and find answers for 3.3.39 and 3.3.40; include report

3.4	W-10/17	2, 4, 10, 14
n/a	TBA	Programming Assignment #3: recursive and non-recursive Fibonacci Functions and report — implementing algorithms 7 and 8 in this section
3.5	M-10/22	2, 4, 7, 12
5.1	W-10/24	2, 4a-e, 6, 10, 34
5.2	F-10/26	2, 4a-c, 9, 12, 14, 22, 24, 28, 30
5.3	M-10/29	2, 6, 8, 14, 16
n/a	TBA	Programming Assignment #4:
6.1	W-10/31	2, 4, 10, 14, 18, 20, 28b-d
6.2	F-11/2	2, 4, 8, 10
6.3	F-11/2	2, 4, 6, 8a-c, 10, 14, 18
6.5	M-11/5	2, 4, 10, 12, 22, 24a, 26a-c, 36
n/a	TBA	Programming Assignment #4:
9.1	W-11/7	2, 4, 8, 10, 16, 18, 20
9.2	F-11/9	2, 4, 10, 12, 14, 20
9.3	W-11/14	2, 4, 6a-c, 8, 10
9.4	M-11/26	2, 4, 6a-b, 8a-b, 10a-b, 14
n/a	TBA	Programming Assignment #5:
10.1	W-11/28	2, 4a-c, 6, 8a, 12a-b, 14, 18
10.2	F-11/30	2, 4, 6, 8, 14, 16, 18
10.3	M-12/3	10, 12, 14, 16, 18, 20, 27
10.4	W-12/5	2, 4, 6, 10
10.5	F-12/7	2, 4, 6