131 Math Exercises

Chapter	Section	Material	Exercises
Chapter 1	**1.1**		1-2-3(g-d-h)-4(c-d-e-f)-6(b-d-e-f-g)-7-8-9(a-b-d-e-f)-10(a-b-d)-11(a-c-d-h-g)-12 (a-b-d)
	1.2		1(b-c-e-g)-3(a-b-e)-4(a-b-e-h)-5(b-d-f-g)-6(b-d-f-h-i-j)-7(d-e-f)-8-10(b-c-f-g-i-j-k)-12(b-c-d-f)-14 (a-b-c-d)-15-16(b-c-e-f-g-j-I)-17(a-c)
	1.3		1(a-c-g-h-k)-3(b-c-d)-6(a-b-d)-7-8(a-b-d-h-j-I)-9(a-b-c-f)-10(a-b-c-f-h-j)-11(b)
	1.4		1(c)-3-5(b-c-e-g-i)-6(a-d-e-f)-7(d-g-i-k)-8-9(a-b-c)-11
	1.5		3(b-c-d-h)-4(c)-5(a-b-c)-6(a-c-d)-7(a-c-d)-9
	1.6	Example at end of page 52 not included.	1(a-d-e-g-i)-2(a-c-d-e)-4(a-b-c-d-f)-6(a-c-e-f)-7(c-e-h-j)
Chapter 2	**2-1**	Theorem 2.1.4 no proof.	$1(c, d) - 2 - 4 - 5(a, c, f, j, k) - 6(a, c, d) - 7 - 9 - 11 - 14(a, d) - 15(b, e, g) - 17 (a, b, c, f) - 19(a, b, f, h)$
	2-2		$1(c, d, e, h, j) - 2(c, e, f, i, j) - 3(a, d, e, g, h) - 6(a, c, d) - 9(a, c, d, e) - 12(a, b) - 13(b, c) - 14 - 15(a, c) - 16(a, b, c) - 18(a, c, d) - 19(a, b, d, f, h)$
	2-3		$1(c, d, g, m, n) - 2 - 3 - 4 - 6 - 8(a, c, d) - 9 - 11 - 12 - 15(a, b, d) - 16 - 18(a, b, e)$
	2-4	P.104 example not included P.105 to p.108 deleted	$1(a, b, e) - 2 - 3 - 6(a, b, c, e, g, i) - 7(a, c, g, h, j) - 8(b, d, f) - 9(b) - 13(c, f)$
	2-5		$1 - 2$
Chapter 3	**3-1**	Proof of theorem 3.1.3 is not required	1-4(b,d)-5(a,c,g)-6(c,i)
	3-2		$1(a, d, g, i, j) - 2(a, b, c, e) - 4 - 5(c, e, f) - 6 - 7(a, b, c, d) - 8(a, b, c) - 10 - 12 - 13 - 15(a) - 19(b)$
	3-3		$2(a, c, d, f) - 3(d, f) - 6(b, c) - 8 - 10 - 14(a, b)$
	3-4	p.170 not included	1(b, c, f) - 2(a, c, d) - 4 - 10
Chapter 4	**4-1**		$1(b, d, e, g) - 2(a, b, d) - 3(a, b, e, g) - 4(a, c, e, f) - 5(c) - 6(a, b, c, d) - 7(a) - 8(b, c) - 10(b, d) - 11(a, d, f) - 12 - 14 - 18(b, c) - 19(a)$

	4-2		1(b, c, g, j) – 2 – 3(a) – 4(a, c, d) – 5(a, b, c, d, e) – 6 – 7 – 9(b, c) – 11 – 12 – 13 – 14(a, c, e) –16(d) – 20
	4-3		1(b, d, e, g, k, i) – 2 – 4 – 5 – 6 – 7 – 9(a, d) – 10
	4-4		1(a, b) – 2(a, d) – 3(a, d)- 4- 6- 8- 10(a)
	4-5		1(a) – 2 – 3(b, c, f) – 4(a, b, e, f) – 6 – 7 – 8(a, d) – 9 – 10(d) – 11 – 12 – 13 – 14
Chapter 5	**5.1**	p.238 proof of theorem 5.1.7 not required.	1-2(a,d,e,h,i,j,k,l)-3
	5.2		1,3(a,b,c,d)-4(a,b,g)-5-7(a,b,c)
	5.3		
Chapter 6	**6.1**		1(a,b,e,f),2,9
	6.2		1(a,c)-6(a,b)-21(a,b)
	6.3		1(a,c)-3-4
	6.4		