

	§	Topics	Homework (* problems will be graded more carefully)
1	7.1	Substitution Review	§7.1 7,9,11,12,13,14,17,18,20,23,41acd
2	6.3	Volumes by Discs and Washers	§6.3: 17,19,27*,29,35,36*,37
3	6.4	Volumes by Shells	§6.4: 7,13,15,17,33,35*,41*
4	7.2	Integration by Parts	§7.2: 7,8,10,15,18,27,29,30,32*,37*
5	7.3	Trigonometric Integrals	§7.3: 9,10,15,16*,22,25,26,35,37,42*
6	7.4	Trigonometric Substitution: Sine and Tangent	§7.4: 8,9,23,29*,30,36,39,47*,53
7	7.5	Partial Fractions I	§7.5: 6,12,13,15,17,20,27*,31,32
8	7.5	Partial Fractions II	§7.5: 41,46,48,50*,51,60*,64,65
9	7.8	Improper Integrals I	§7.8: 5,7,11,14,17,19,20*,28,33*
10	7.8	Improper Integrals II	§7.8: 35,36,41,43,45,46*,51*,58,62
11	7.9	Differential Equations	§7.9: 9,11,17,18,25,31,32,33*,36,38*,39
12	Review	<a href="http://courses.math.tufts.edu/math34/">courses.math.tufts.edu/math34/</a>	
	Exam 1	<b>Exam I, Monday Oct 5, 12-1:20 room TBA</b>	<b>Covers lectures 1-10</b>
13	8.1	Sequence & Series Overview	§8.1: 11,14,15,18,19,20,24*,28,34,36,37,48,57*
14	8.2	Sequences I	§8.2: 9,10,12,14*,17,18,19,24,25,26*,27
15	8.2	Sequences II	§8.2: 5,36,38,42*,46,48,52,55,56*,57,75,80
16	8.3	Infinite Series	§8.1: 60, 75,77 § 8.3: 6,8,14,20*,27,28*,34,36,40,45,47
17	8.3,8.4	Infinite Series, Divergence Test	§8.3: 55*,61,69 §8.4: 11,12,14,15,16,45*,50
18	8.4	Integral Test and p-series	§8.4: 2,3,4,21,24*,26,29,31,51*
19	8.5	Ratio and Root Tests	§8.5: 10,11,13,15,18*,19,20*,24,25,26
20	8.5	Comparison Test and Limit Comparison Test	§8.5: 27,28,29*,30,35,36,39,54,68*,69
21	8.3-8.6	Positive Series Review and Alternating Series	§8.6: 15,16,17,18*,19*,20,21,22,24,27
22	8.6	Alternating Series Estimation	§8.6: 29,30,31,32*,33,39,40,43,44*
23	8.6	Absolute Convergence & Conditional Convergence	§8.6: 45,47,48,49,50*,53,54,55*,56,57
24	9.1	Approximating Functions with Polynomials	§9.1: 2,9,10,16*,17,23,31,34,35,39*,42
25	9.2	Power Series: Interval & Radius of Convergence	§9.2: 6,9,11,14,18,20*,21,22,23,26*
26	9.2	Power Series Representations I	§9.2: 29,30,31,32,33,34*,35,36,38*,39
27	Review	<a href="http://courses.math.tufts.edu/math34/">courses.math.tufts.edu/math34/</a>	
	Exam 2	<b>Exam II, Monday Nov 9, 12-1:20 room TBA</b>	<b>Covers lectures 11-25.</b>
28	9.2	Power Series Representations II	§9.2: 41,42,44*,45,63,64,66*
29	9.3	Creation of Taylor Series	§9.2: (not a typo) 48,49,53,56,57,58*,59,60*
30	9.3	Taylor Series I	§9.3: 5,9,12,13,14,21*,24*,25,26,28
31	9.3	Taylor Series II	§9.3: 29,30,33*,40,43,45,46*,51,52
32	9.4	Working with Taylor Series I	§9.4: 7,8,11,17,25,26,28,29,32
33	9.4	Working with Taylor Series II	§9.4: 37,38*,40,41,43*,46,47,50
34	9.4	Working with Taylor Series III	§9.4: 53*,55,56,59,60,62,63*
35	10.2	Polar Coordinates I	§10.2: 1,6,10,11,12,14*,15,16,17,23,27,35,67,68,70
36	10.2	Polar Coordinates II	§10.2: 37,38,40,42,47*,50,51,52*,73,89
37	web	Complex Numbers I	<a href="http://courses.math.tufts.edu/math34/">courses.math.tufts.edu/math34/</a> Clx Nos. Hmwk 1-4
38	web	Complex Numbers II	<a href="http://courses.math.tufts.edu/math34/">courses.math.tufts.edu/math34/</a> Clx Nos. Hmwk 5-7
39	Review		
	Final	<b>Final Exam Wednesday Dec 16, 8:30-10:30am</b>	<b>Covers everything except sections 6.3 and 6.4.</b>