

MATH 251 HOMEWORK ASSIGNMENTS		Larson 8th
section	and topics	assigned problems
	Calculus I review	Prerequisite quiz
4.5	integration by substitution	odds 7-33
	calculator skills	read TI manual re: der1, der2, nder, fnint, lists, seq, sum.
5.6	Inverse Trig fcns: differentiation	3-18 odds 21-28 37 38 odds 41-47 69 71 89 91
5.7	Inverse Trig fcns: integration	eoo 1-43 63-65 72a&c
5.8	Hyperbolic functions	1-8 odds 15-25 eoo 35-61 73 74
exam		
7.4	Arc Length & Surface of Rev	1-5 odds 15-25 51 55 (be careful with units)
8.1	Integration rules review	odds 1-13 eoo 15-49 57 63-66 85
8.2	Integration by Parts	1-10 odds 11-27 37 38 47 49 83 85
8.3	Trig Integrals	5-12 14 odds 17-35 65 69
exam		
8.4	Trig Substitutions	odds 5-9 13 eoo 21-43 71
8.5	Partial Fractions	odds 1-31 41 43 60a-c
8.6	Integration by Tables	eoo 1-49
8.7	L'Hopital's Rule	eoo 11-51 65 66
exam		
8.8	Improper Integrals	5-10 eoo 15-57 93 95
9.1	Sequences	eoo 1-95
9.2	Series introduction	1-16, odds 23-67 79-85
9.3	Integral test; p-series	odds 1-17 odds 79-85
9.4	Comparison tests	odds 3-35 45 47
9.4	Alternating series	1-4 odds 11-53 odds 79-87
9.6	Ratio and Root tests	1, 3, odds 13-63
exam		
9.7	Taylor Polynomials	odds 13-29, 45 46
9.8	Power series	odds 1-9, eoo 11-35 45 47
9.9	Functions from Power Series	odds 5-25 51
9.10	Taylor Series	odds 1-35 47 48 55 56
exam		
10.1	Parabola and Circle	1-6 17 19 21 23 27
10.1	Ellipse and Hyperbola	29 31 33 45 47 49 57 67 69 73
10.2	Planar Curves (parametric form)	odds 3-9, odds 21-25, 39-42
10.3	Calculus of Planar Curves	5 7 15 19 21 27 32 42 49 53
10.4	Polar Coordinates	1-20 odds 21-39 81 82 87
10.5	Area and Arc Length in Polar	1-5 7 13 31 45 47 49 55
Final Exam		