

MATH 252 HOMEWORK ASSIGNMENTS		Larson 8th
section	and topics	(eoo means every other odd)
	Calculus I & II review	<u>Prerequisite quiz</u>
10.4	Polar Coordinates	1-20, odds 27-45
10.5	Area & Arc Length in Polar Coordinates	1-5 7 17 45 49
11.1	Vectors in R^2	1 3 7 11 15 17 19, odds 23-33, 37 39 43 45 49 51 53 63 69 83 89 95-100 105
11.2	Vectors in R^3	25 29, odds 35-53, 59 65 69 71 75 79 81 83 87
11.3	Dot Product	odds 1-27, 31 33 43 45 47 67 73 74
exam		
11.4	Cross Product	odds 1-7, 11 15 29 31, odds 41-47, 53
11.5	Lines & Planes in R^3	odds 1-11, 13-18 21-23 25 27 35-37 41 45 57, odds 63-69, 87 89 95
11.6	Surfaces in R^3	1-6, odds 7-15
11.7	Cylindrical & Spherical Coordinates	eoo 1-77, 87-92 97 100 104 120-122
exam		
12.1	Vector Valued Functions	odds 1-7, 11 13, odds 23-29, 45 47 59 69-74 75 79
12.2	Calculus of Vector Valued Functions	1 2 5, odds 9-17, 29 31 41, odds 49-57, 63 65
12.3	Velocity and Acceleration	1 3 5 9 11 13 17 19 25 27 41
12.4	Tangent Vectors and Normal Vectors	1-5, odds 7-13, 19 23 29 35
12.5	Arc Length and Curvature	1-15 21 25 31 33 57
exam		
13.1	Functions of Several Variables	odds 1-13, 17 19 21 25 31 45-48 49 51 53
13.2	Limits and Continuity	5-8 25 29 31 33 49
13.3	Partial Derivatives	odds 1-25, 33 35 37 61 73 77 97
13.4	Differentials	odds 1-17, 36
13.5	Chain Rules	1-15 21 25 31 33 57
13.6	Directional Derivatives and Gradients	odds 1-9, odds 13-27, 31 33 35 45
13.7	Tangent Planes and Normal Lines	odds 1-11, 15 21 23 29 33 49 55
13.8	Extrema for Functions of Two Variables	odds 7-15, odds 21-27, odds 45-53
13.9	Extrema Applications	1 3 5 11 20 21
exam		
14.1	Iterated Integrals	eoo 1-25, 29-34, eoo 35-57 61 79
14.2	Double Integrals	odds 7-17, odds 21-27, odds 33-39, 49
14.3	Double Integrals in Polar Coordinates	odds 9-19, odds 23-33, 37
14.5	Surface Area	1 3 11 13 15 29
14.6	Triple Integrals	odds 1-7, 13 15 17 21 23 25 27
14.7	Triple integrals in Cylindrical Coordinates	1 3 5 9 11 13 15 21
exam		
15.1	Vector Fields	1-6, odds 7-13, 21 23 27 31 35 43 51 53, odds 57-
15.2	Line Integrals	odds 1-18, 27 29 31 45 47 53 55
15.3	Line Integrals in Conservative Vector Fields	odds 1-15, 21 25 27 29 31 47 49
15.4	Green's Theorem	1 3 7 9 11 13 15 19 21 23
15.5	Parametric Surfaces	1 3 5 9 11 13 21 23 25 29 33
15.6	Surface integrals	1 3 5 11 13 15 21 23 25 29
15.7	Divergence Theorem	1 3 5 9 11 13 17 19 20
15.8	Stokes's Theorem	odds 1-15, 23 24
exam		
Final Exam		