

MAT296

Section	WebAssign Problems	Written Homework	Remarks
5.5	11, 13, 14, 17, 19, 35, 41, 51, 533XP	none	integration by substitution review
7.1	1, 3, 9, 36, 501XP, 503XP	12, 16, 20	area between two curves
7.2a	3, 5, 7, 522XP	none	volumes by disks/washers - rotation about an axis
7.2b	9, 12, 503XP	16, 18	volumes by disks/washers - rotation about a shifted axis
7.3a	5, 7, 9, 11, 33, 34, 502XP, 504XP	6	volumbes by shells - rotation about an axis
7.3b	15, 17, 19, 505XP	18, 38	volumes by shells - rotation about a shifted axis
6.1	1, 3, 5, 9, 11, 525XP, 13, 8, 502XP, 533XP	10, 20, 24	integration by parts
6.2a	1, 3, 9	4, 8	sine/cosine integrals
6.2b	17, 19, 21, 25	18, 24	tangent/secant integrals
6.2c	40, 42, 47, 51, 53, 55	40, 46, 58	trig sub
6.3a	12, 18, 524XP	10	partial fractions - distinct linear factors
6.3b	19, 32, 519XP	16	partial fractions - long division
6.3c	22, 23, 517XP	24	partial fractions - quadratic factors, but no powers
6.6	7, 9, 13, 16, 17, 23, 27, 32, 41	12, 34, 24, Ch6 Review True/False: 7, 10, 11	improper integrals
7.4	7, 11, 511XP	8, 10	arc length
7.7	3, 8, 9, 15, 24, 43	none	differential equations
8.1	9, 10, 11, 12, 15, 23, 24	none	sequences
8.2	1, 7, 9, 10, 12, 508XP, 15, 16, 17, 35, 514XP	4, 6, 36	definition of series, convergence, geometric series, harmonic series, divergence test
8.3	3, 4, 13, 15, 19, 21, 503XP, 523XP, 9, 25, 26, 29, 528XP	6, 10, 12, 14, 18, 22, 30	integral test, p-series, comparison tests
8.4	3, 5, 7, 501XP, 507XP, 23, 521XP, 533XP, 19, 21, 25, 43	6, 18, 30, 20, 24, 26	alternating series test (no error estimate), conditional/absolute convergence, ratio test
8.5	5, 7, 9, 15, 501XP, 11, 18, 19, 23, 502XP, 512XP	12, 14, 16, 20, 26c	power series
8.6	3, 7, 13, 15, 17, 39, 503XP	8, 11	writing functions as power series
8.7	5, 7, 11, 13, 14, 17, 28, 30, 31, 44, 45, 59, 61, 63	6, 12, 16, 46, 60, 62, 64, Ch8 Review True/False: 1, 9, 12, 17	Taylor's formula (no error estimate), usking known Taylor series to obtain more series, recognizing known Taylor series
9.1	7, 8, 9, 11, 12	6, 16	parametric curves
9.2	1, 2, 4, 7, 12, 13, 21, 26	4, 10	calculus with parametric curves
9.3a	4, 6, 15, 19, 506XP, 514XP, 522XP	16, 20	converting rectangular/polar coordinates
9.3b	27, 31, 33	24, 30, 34	graphing polar curves
9.4	5, 7, 502XP, 17, 19, 21	6, 20	area inside and between polar curves

Exam #1 Review	Ch. 7 Review #1-8, 10, 12-14, 19, 20 Ch. 6 Review #4, 6, 9, 24	Sections 7.1-7.3, 6.1
Exam #2 Review	Ch. 6 Review #5, 15-19, 25, 41-46 Ch. 7 Review # 25, 26, 27a, 43-45	Sections 6.2, 6.3, 6.6, 7.4, 7.7
Exam #3 Review	Ch. 8 Review. Concept Check #1, 3, 5a-f, 6, 9, 11abcd, True/False #1, 7, 9 Exercises #1,3,5, 9-13, 15, 21, 25, 28, 29, 30, 37, 41, 43, 46, 47, 51	Sections 8.1 - 8.7
Ch. 9 Review	Ch. 9 Review #1,7-11, 18, 25, 32,33	Sections 9.1 - 9.4