BC Calculus Book Assignments List

Topic	Section	Pages	Problems
Limits	2.1	66-68	7-57 odd
Limits with Infinity	2.2	76-77	1-7 odd, 13-33 odd, 45-48, 53
Rates of Growth	8.3	457	15-30, 35-38
Continuity	2.3	84-86	1-9 odd, 11-18, 19-23 odd, 31, 47-50, 56-59
Def of the Derivative	2.4	92	1-6
Def of the Derivative	3.1	105-108	1-12 (set up only), 13-17, 21, 23, 26-27
Def of the Derivative	3.2	114-115	5-10, 11-16 (look at graph on calc), 17-26 (MATH 8 on calc)
Basic Diff Rules	3.3	124-126	1-12, 15-23, 27-33, 37-41, 53-54
Velocity & Other Rates	3.4	135-140	1-4, 8-15, 18-21, 23-25, 34, 36
Deriv of Trig Fncs	3.5	146-147	1-10, 15, 21, 23, 27, 30, 37, 52
Chain Rule	3.6	153-155	9-31 odd, 41-47 odd, 55-56
Implicit Diff	3.7	162-164	1-12, 17-41 odd, 43-44, 49, 52, 56-57
Deriv of Inverse Trig	3.8	170-171	1-27 odd, 28, 29(b,c only)
Deriv of Exp & Log	3.9	178-179	1-55 odd
	Ch. 3 Rev	181-184	1-30, 35-42, 45-64, 66-69, 71-73, 78, 80-83
Extreme Value Thm	4.1	193-195	1-18
Mean Value Thm	4.2	202	1-10
Inc/Dec & 1st Deriv	4.2	202-203	15-27 odd
Curve Sketching	4.3	215-216	1-29 odd, 33-39 odd
Curve Sketching	4.3	202-204	41, 45-52, Worksheet
Optimization	4.4	226-227	1-17 odd
Linearization	4.5	242	1-6 (ignore directions-use tangent line to approx func at given value.)
Related Rates	4.6	251-254	8-11, 13-14, 16-17, 19-24, 29-34
Estimating Area	5.1	270-271	5, 6, 17
Trapezoidal Rule	5.5	312	11-12
Def Integrals & Area	5.2	282-283	7-27 odd, 29, 30
Prop of Integrals	5.3	290-291	1-6, 19-29 odd
Avg Value of Func	5.3	291	11-15 odd, 31-36
2nd F.T.C	5.4	302	1-19 odd
Fncs Defined by Int	5.4	303-304	57-59
Slope Fields & Diff Eq	6.1	327-329	1-20, 29-48
U-Substitution	6.2	338	17-65 odd
Int by Parts	6.3	346-347	1-24, 29-32
Exp Growth & Decay	6.4	357	4, 5, 7, 8, 11, 13, 24
Logistic Growth	6.5	369-370	23-29 odd, 33

Topic	Section	Pages	Problems
Particle Motion	7.1	386	1, 10, 12-17
Area in a Plane	7.2	395-396	3-9 odd, 13, 15, 29, 31
Arc Length	7.4	416	1-9 all
Volumes	7.3	406-407	1-7, 11-27 odd
Improper Integrals	8.4	467	1-19 odd, 25-29 odd
Sequences	8.1	441	1, 3, 23-26, 31-40
Series	9.5	523	7-22
Power Series	9.1	481-482	1, 3-6, 11-24, 27-34
Taylor Series	9.2	492	1-5, 9-10, 12-13, 19, 22-26
Taylor Series	9.3	500	1-9 all
Radius of Convergence	9.4	511	7-27 odd, 29-44
Radius of Convergence	9.5	523	35-50 (part a only)
Parametric Functions	10.1	535-536	1-15 odd, 23-33 odd
Vectors & Part Motion	10.2	545-546	27, 29, 37, 39, 43-49 odd
Polar Functions	10.3	557-558	1-29 odd, 39-59 odd, 60