MAC 1105 *Instr: Jamieson*

Tentative Test Preparation
Chapter 4 – 5

Ch.Sec	Prob Type	MML	My Page	Rank	Max Points +
4.2	Minimum degree of polynomial		2,6	****	1
	Choose sketch of unfactored cubic or quartic		1,3 – 5	****	~~3~~ 2
4.2 – 3	Give polynomials with specified zeros/degree		1 – 4,10,12,14,17 – 19, 36	****	3
	Factor quadratic with calculator		5 – 9,11,13,15,16	****	2
	Factor using synthetic division		20 – 23,25,30 – 35	****	3
	Choose polynomial for a given graph		38 – 39	***	1
4.5	Equations of asymptotes		1,2 – 5	****	2
	Choose graph of rational function		6 - 9	***	1
	~~Monomial division~~		~~10 – 12~~	~~***~~	~~1~~
	~~Solve common binomial factor rational equations~~		~~13 – 15~~	~~***~~	~~2~~
	~~Solve simple rational equations~~		~~16 – 21~~	~~**~~	~~1~~
4.6	Solve polynomial inequality using a graph		1 – 3	****	1
	~~Solve rational inequality using a graph~~		~~4~~	~~****~~	~~1~~
4.7	Solve radical equations		1 – 20	****	3
~~5.1~~	~~Define composition symbolically~~	~~1 – 5~~		~~** ½~~	~~1~~
	~~Evaluate composition using graphs~~		~~1~~	~~***~~	~~1~~
	~~Evaluate composition using tables~~		~~2~~	~~***~~	~~1~~
	Evaluate rate of change of composition		3,4	****	1
5.2	Find the inverse of a function		1 – 16	****	1
	Identify invertible functions		17 – 19	****	~~3~~ 1
5.3	Choose graph of exponential or logarithm		1	****	~~3~~ 1
	~~Free-hand sketch of exponential~~		~~2~~		~~0~~
~~5.4~~	~~Expand log expressions~~		~~1 – 6~~		~~0~~
	~~Contract log expressions~~		~~7 – 15~~		~~0~~
5.5	Basic exponential and log equations		9 – 23	****	~~3~~ 1
	Equations using power property		71 – 74	****	1
	Equations using product property		51, 53, ~~58~~, ~~60 – 61~~, 60, ~~66, 68 – 69~~	***	1
	Equations using quotient property		52, 54 – 57, 59, 62 – 65, 67 – 70	****	1
5.6	Compound interest		1 – 10	****	2
~~6.1~~	~~Solve two linear equations in two unknowns~~			~~***~~	~~1~~
				Total	28

Also, Library of Functions from Ch 3 Sec 4
and the MyMathLab General Learning Outcomes Quiz for Ch 1 – 3, problems #1 – 3.

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