

MAC 2311 FINAL EXAM TOPICS
ANTON 9th EDITION

Exam 1	1. Limits ✓	1.1 - 1.3	5 points
	2. Continuous Functions	Sec. 2.1 - 2.3	5 points
Exam 2	3. Derivative using the definition	Sec. 2.5, 2.6 1.5 - 1.6	5 points
	4. Power, product, quotient rules, Trig. functions, Chain Rule	Sec. 3.2 2.2	10 points
	* 5. Related rates	2.3 - 2.6	20 points
	6. Differentials, increments, And approximations	Sec. 3.3 - 3.6	5 points
Exam 3	7. Implicit differentiation	Sec. 3.7 3.4	10 points
	8. Derivatives of exponential, Log and inverse trig functions.	Sec. 3.8 3.5	5 points
	9. L'Hopital's Rule, indeterminate forms	Sec. 4.1 3.1	10 points
Exam 4	10. Sketch a polynomial	0.4 3.2 3.3	10 points
	11. Sketch a rational function or other type (logarithmic, trig, fractional exponents, exponential)	Sec. 1.5, 4.2, 4.3	10 points
	12. Rolle's Theorem, Mean Value Theorem	Sec. 4.4 3.6	10 points
	13. Antiderivatives including substitution and integrals leading to inverse trig functions.	Sec. 5.1 - 5.3	10 points
	14. Parametric curves; derivatives	4.1 - 4.3	10 points
	* 15. Max-min word problem	Sec. 5.1 - 5.3	10 points
		4.1 - 4.3	5 points
	Sec. 5.7 4.8	5 points	
	5.2 - 5.3	10 points	
	Sec. 6.2, 6.3 10.1	5 points	
	Sec. 1.8, part of 11.2	10 points	
	Sec. 5.5 4.5	10 points	

This is a 130 point test. The final exam will count 25% of the grade in the course, unless You do better than your previous average, in which case it would count 50% of the grade. No test grades are dropped.