

Math 1172 mastery checklist

Review topics		points		
		1	2	3
1*	Simple derivatives & antiderivatives			
2*	<i>u</i> -substitution			

Integrals & Derivatives

3	Area between curves			
4	Volumes with washers			
5	Volumes with shells			
6*	The natural logarithm			
7*	The exponential function			
8*	Other logarithmic & exponential functions			
9	Inverse trig functions			
10	L'Hopital's rule			
11*	Integration by parts			
12	Trigonometric integrals			
13	Partial fractions			
14*	Improper integrals			
15*	Integration gumbo			

Sequences & Series

16*	Sequences basics			
17*	Series basics			
18	Integral test			
19	Comparison test			
20	Alternating series & absolute convergence			
21*	Ratio & root tests			
22*	Power series (convergence)			
23*	Taylor series			

Topics with bold boxes are dealbreakers. You must get at least 2 points on these.

Final exam covers only starred topics!

Bring this to your in-class exams. (Don't write stuff on it other than to check things off.)