Math 1172 mastery checklist

	Review topics	points 1	2	3
1*	Simple derivatives & antiderivatives			
2*	u-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	Trigonometric substitutions			
14	Partial fractions			
15*	Improper integrals			
16	Arclength			

Sequences & Series

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

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