

Math 1172 mastery checklist

Review topics		points		
		1	2	3
1	Simple derivatives & antiderivatives			
2	Definite integral (trig. values)			
3	u -substitution			

Integrals & Derivatives

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

Sequences & Series

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