

MATH 162 EXAM 1, Fall 2006

Problems 1-8: Integrate.		Name:	Score	
1.	a) $\int x \sin 3x \, dx$  Ans:_____.	b) $\int \tan 5x \, dx$ .  Ans:_____.	1	
			2	
			3	
			4	
			5	
			6	
2.	$\int \tan^3 x \sec x \, dx$		7	
			8	
			9	
			10	
			Tot	
		Ans:_____.		
3.	a) $\int \frac{1}{4-x^2} \, dx$	b) $\int \frac{1}{\sqrt{4-x^2}} \, dx$		
			Ans:_____.	
4.	$\int \ln(x^2 + 1) \, dx$			
			Ans:_____.	
5.	$\int \frac{x}{\sqrt{9-x^4}} \, dx$			
			Ans:_____.	
Extra Space				

