APPM 1360	Name:	
Spring 2022		
Quiz 8		
4/5/2022		
Time Limit: 10 Minutes	Recitation Section:	

1. (10 points) The power series for $\sin x$ is $\sum_{n=0}^{\infty} \frac{(-1)^n}{(2n+1)!} x^{2n+1}$. Evaluate the definite integral as a power series $\int_0^2 \frac{\sin x}{x} \ dx$

Your solution should be a series, but you need not evaluate the series.