Name:		

Quiz	23	

MATH 201 $April\ 25,\ 2024$

1. Find the interval of convergence for the power series $\sum_{k=1}^{\infty} \frac{(-1)^{k+1}(x-1)^k}{k}$. Test endpoints (if any). Show all work.

$$\sum_{k=1}^{\infty} \frac{(-1)^{k+1}(x-1)^k}{k}$$
. Test endpoints (if any)

Name:			

Quiz $23 \diamondsuit$

MATH 201 April 25, 2024

1. Find the interval of convergence of the power series $\sum_{k=1}^{\infty} \frac{(4x-1)^k}{k^2+4}$. Test endpoints (if any). Show work.

$$\sum_{k=1}^{\infty} \frac{(4x-1)^k}{k^2+4}.$$

Name:			

Quiz 23 🌲

MATH 201 April 25, 2024

1. Find the interval of convergence for the power series $\sum_{k=1}^{\infty} \frac{k^2 x^{2k}}{k!}$. Test endpoints (if any). Show all work.

N.	Quiz 23 \heartsuit	MATH 201
Name:	•	April 25, 2024

1. Find the interval of convergence for the power series $\sum_{k=1}^{\infty} \frac{x^{2k+1}}{3^{k-1}}$. Test endpoints (if any). Show all work.