
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.

Name: _____

QUIZ 23 \diamond

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.

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.

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QUIZ 23 ♡

MATH 201
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.