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Name: \_\_\_\_\_

QUIZ 20 ♠

MATH 201  
April 16, 2024

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1. Use the ratio test, root test or alternating series test to determine whether the series converges.

$$\sum_{k=1}^{\infty} \frac{k^2}{4^k}$$

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QUIZ 20  $\diamond$

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1. Use the ratio test, root test or alternating series test to determine whether the series converges.

$$\sum_{k=1}^{\infty} \frac{(-1)^k k^2}{e^k}$$

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QUIZ 20 ♣

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1. Use the ratio test, root test or alternating series test to determine whether the series converges.

$$\sum_{k=1}^{\infty} (-1)^{k+1} k e^{-k}$$

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1. Use the ratio test, root test or alternating series test to determine whether the series converges.

$$\sum_{k=1}^{\infty} \left(\frac{1}{k}\right)^k$$