

Name: _____

1. Use the comparison test or the limit comparison tests to determine whether the series converges.

$$\sum_{k=1}^{\infty} \frac{1}{\sqrt[3]{k} + \sqrt{k}}$$

Name: _____

QUIZ 19 \diamond

MATH 201
April 11, 2024

1. Use the comparison test or the limit comparison tests to determine whether the series converges.

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

Name: _____

QUIZ 19 ♣

MATH 201
April 11, 2024

1. Use the comparison test or the limit comparison tests to determine whether the series converges.

$$\sum_{k=1}^{\infty} \frac{\sqrt{k}}{k^3 + 4}$$

Name: _____

1. Use the comparison test or the limit comparison tests to determine whether the series converges.

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