

Enduring Understandings

(Students will understand that...)

EU 4.1: The sum of an infinite number of real numbers may converge.

Learning Objectives

(Students will be able to...)

LO 4.1A: Determine whether a series converges or diverges.

Essential Knowledge

(Students will know that...)

EK 4.1A3: Common series of numbers include geometric series, the harmonic series, and p -series.

EK 4.1A6: In addition to examining the limit of the sequence of partial sums, methods for determining whether a series of numbers converges or diverges are the n th term test, the comparison test, the limit comparison test, the integral test, the ratio test, and the alternating series test.