

Enduring Understandings	Learning Objectives	Essential Knowledge
(Students will understand that...)	(Students will be able to...)	(Students will know that...)
EU 4.1: The sum of an infinite number of real numbers may converge.	LO 4.1A: Determine whether a series converges or diverges.	<p>EK 4.1A4: A series may be absolutely convergent, conditionally convergent, or divergent.</p> <p>EK 4.1A5: If a series converges absolutely, then it converges.</p> <p>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 nth term test, the comparison test, the limit comparison test, the integral test, the ratio test, and the alternating series test.</p>
	LO 4.1B: Determine or estimate the sum of a series.	EK 4.1B2: If an alternating series converges by the alternating series test, then the alternating series error bound can be used to estimate how close a partial sum is to the value of the infinite series.