JANUARY 10

What are you looking forward to this semester?

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Students will verbally explain how to determine if a series converges

(using the words:
n^{th} term test, partical sum, diverge...)

$n=1$

If $\lim_{n\to\infty} a_n \neq 0$, then $\sum_{n=1}^{\infty} a_n$ diverges

(sequence) (series)

If $\lim_{n\to\infty} a_n = 0$, then $\sum_{n=1}^{\infty} a_n$ may converge

n^{th} term test (for divergence)

Series:

the sum of the terms in a sequence

$a_1 + a_2 + \cdots + a_n + \cdots = \sum_{n=1}^{\infty} a_n$