PRINT Your Name:_____

<div align="center">

Quiz – November 5, 2004

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Does the series $\displaystyle\sum_{n=1}^{\infty} \frac{n}{n+200}$ converge or diverge? Explain.

Answer: This series DIVERGES by the Individual Term Test for Divergence because the limit of the individual terms is $\displaystyle\lim_{n\to\infty} \frac{n}{n+200} = 1$ and 1 does not equal zero.