Name: _____ Per.:____

$\sum_{n=1}^{\infty} a_n$ Infinite Series Tests for Convergence or Divergence

Test	Converges	Diverges	Notes
n^{th}-Term			
Geometric $\sum_{n=1}^{\infty} ar^{n-1}$			
Telescoping			
Integral Test			
p-Series $\sum_{n=1}^{\infty} \frac{1}{n^p}$			
Direct Comparison			
Limit Comparison			
Alternating Series			
Ratio Test			
Root Test			

What is the difference between *absolute convergence* and *conditional convergence*?

Sequences $\{a_n\}$

What does it mean for a *sequence* to converge or diverge?

Don't forget: $\sum_{n=1}^{\infty} a_n = \lim_{n\to\infty} S_n$

Name: _____ Per.:____

$\sum_{n=1}^{\infty} a_n$ Infinite Series Tests for Convergence or Divergence

Test	Converges	Diverges	Notes

What is the difference between *absolute convergence* and *conditional convergence*?

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Don't forget: