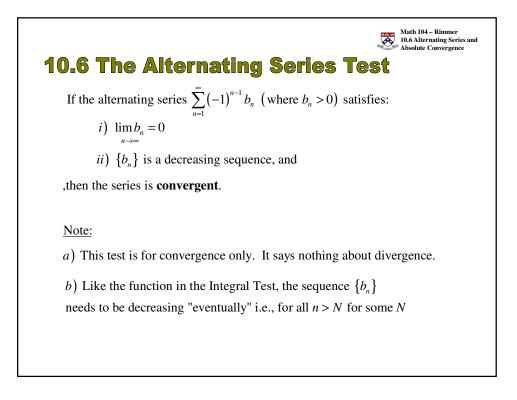
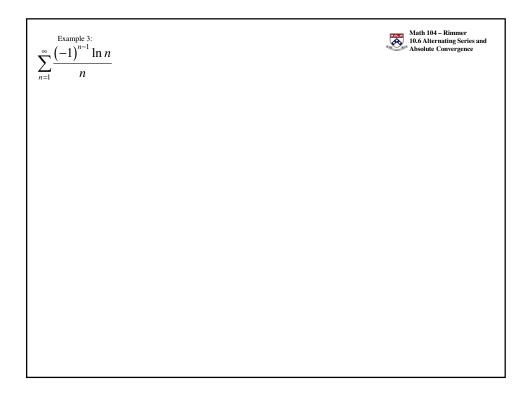
10.6 Alternating Series Test Mathad-Rinner Modeler and Series and Mathad-Rinner Mathad-Rinner Modeler and Series and Mathad-Rinner Mathad-Rinner Modeler and Series and Mathad-Rinner Mathad-Rinner Modeler and Series and Mathad-Rinner Matha



Example 1:

$$\sum_{n=1}^{\infty} \frac{\left(-1\right)^{n-1}}{n}$$
Example 2:

$$\sum_{n=1}^{\infty} \frac{\left(-1\right)^{n+1} n^2}{n^2 + 5}$$



10.6 Absolute Converge	Math 104 - Rimmer 10.6 Alternating Series and Absolute Convergence
An infinite series	
$\sum_{n=1}^{\infty} a_n$ is called if the	e positive series $\sum_{n=1}^{\infty} a_n $ converges.
implies	
(If the series of absolute value converges, then the original series also converges)	
If the series of absolute value, it is still possible	
for the original series to converge.	
Use the or	n the original series.
If the Alternating Series Test gives convergence, then this is a special	
type of convergence.	
An infinite series	
$\sum_{n=1}^{\infty} a_n$ is called is	f it converges but $\sum_{n=1}^{\infty} a_n $ diverges.

