12.6 Absolute Convergence
An infinite series
$\sum_{n=1}^{\infty} a_n \text{ is called } \underline{\qquad} \text{ if the positive series } \sum_{n=1}^{\infty}  a_n  \text{ converges.}$
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 on the original series.
If the Alternating Series Test gives convergence, then this is a special
type of convergence.
An infinite series
$\sum_{n=1}^{\infty} a_n \text{ is called } \underline{\qquad} \text{ if it converges but } \sum_{n=1}^{\infty}  a_n  \text{ diverges.}$













Determine whether the series is convergent or divergent.  

$$iii) \sum_{n=1}^{\infty} \frac{(2n+1)^n}{n^{2n}} \qquad iv) \sum_{n=1}^{\infty} \frac{n^2}{(2n+1)!}$$