



3rd Quiz

Student Name in Arabic:

Section:

1- Find interval of convergence for the following series:

$$\frac{1}{1.6}x^2 + \frac{2}{6(20)}x^4 + \frac{6}{20(252)}x^6 + \dots$$

2- Test the series $\sum_{n=1}^{\infty} \frac{\cos(n\pi)}{n^{3/4}}$

3- Expand using Taylor the function $f(x,y) = (x + y)\sin xy$ about (1,0)