

King Fahd University of Petroleum & Minerals
Department of Mathematical Sciences
MATH - 102 Semester 092 **Quiz - 4**

Name: _____ ID#: _____

Section#: _____

1 Find the interval of convergence of the following power series

A)
$$\sum_{n=0}^{\infty} \frac{(x-2)^{n+1}}{(n+1)3^{n+1}}$$

B)
$$\sum_{n=0}^{\infty} \frac{n!(x+3)^n}{1 \cdot 2 \cdot 3 \cdots (2n-1)}$$