

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 131) Math 102.10 Quiz # 6

Name: _____ I.D. # _____ Sr. # _____

For the series $\sum_{n=0}^{\infty} \frac{(-1)^n (x+1)^n}{n!}$,

- a) Find the radius and interval of convergence, b) For what values of x does the series converge absolutely? c) For what values of x does the series converge conditionally?

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 131) Math 102.12 Quiz # 6

Name: _____ I.D. # _____ Sr. # _____

For the series $\sum_{n=1}^{\infty} \frac{(-1)^{n+1}(x+4)^n}{n4^n}$,

- a) Find the radius and interval of convergence, b) For what values of x does the series converge absolutely? c) For what values of x does the series converge conditionally?