KFUPM – Department of Mathematics and Statistics – Term 141 MATH 102 QUIZ6 Code 1 (Duration = 15 minutes)

NAME:	ID:	Section:
Exercise 1 (5 points)		
Find the radius and the interval of convergence of the	the power series $\sum_{n=1}^{\infty} \frac{(x-1)^n}{3^n}$	

Exercise 2 (5points)

Find the sum of the series $\sum_{n=1}^{\infty} \frac{(-1)^n}{2^n n}$

KFUPM – Department of Mathematics and Statistics – Term 141 MATH 102 QUIZ6 Code 2 (Duration = 15 minutes)

NAME:	ID:	Section:
Exercise 1 (5 points)		
Find the radius and the interval of convergence of	the power series $\sum_{n=1}^{\infty} \frac{(x)^n}{n}$	$\frac{-3)^n}{2^n}$

Exercise 2 (5points)

Find the sum of the series $\sum_{n=1}^{\infty} \frac{(-1)^n}{3^n n}$