KFUPM – Department of Mathematics and Statistics – Term 122 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	power series $\sum_{n=1}^{\infty} \frac{(2x-1)^n}{n3^n}$	

Exercise 2 (5points)

Find the Taylor series for the function $f(x) = \ln(2+x)$ at a = 1

KFUPM – Department of Mathematics and Statistics – Term 122 MATH 102 QUIZ # 6 Code 2 (Duration = 15 minutes)

NAME:	ID:	Section:
Exercise 1 (5points)		
Find the radius and the interval of convergence	of the power series $\sum_{n=1}^{\infty} \frac{(3x-1)^n}{n2^n}$	<u>)</u> "

Exercise 1 (5 points)

Find the Taylor series for the function $f(x) = \ln(2+x)$ at a=2