$\begin{array}{c} KFUPM-Department\ of\ Mathematics\ and\ Statistics-Term\ 132\\ \hline MATH\ 102\\ \hline QUIZ6\ Code\ 1\quad (Duration=15\ minutes) \end{array}$

ID:	Section:
the power series $\sum_{n=1}^{\infty} \frac{(x-2)^n}{3^n}$ is:	
	the power series $\sum_{n=1}^{\infty} \frac{(x-2)^n}{3^n}$ is:

Exercise 2 (5points)

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

$\ln(\frac{1}{2})$	
$ln(\frac{2}{3})$	
$ln(\frac{3}{2})$	
$-\ln(\frac{1}{2})$	
ln 3	

KFUPM – Department of Mathematics and Statistics – Term 132

MATH 102 QUIZ6 Code 2 (Duration = 15 minutes)

NAME:	ID:	Section:
•		

Exercise 1 (5 points)

The interval of convergence of the power series $\sum_{n=1}^{\infty} \frac{(x-3)^n}{2^n}$ is:

[1,5]	
(1,5)	
[1,5)	
(1,5]	
[-1,5)	

Exercise 2 (5points)

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

$\ln(\frac{1}{3})$	
$\ln(\frac{3}{4})$	
$\ln(\frac{4}{3})$	
$-\ln(\frac{1}{3})$	
ln 4	