KFUPM – Department of Mathematics and Statistics – Term 151

MATH 102 QUIZ # 4 Code 1 (Duration = 20 minutes)

NAME:	ID:	Section:
Exercise 1 (4 points)		
	1	
Determine whether the series $\sum_{i=1}^{\infty}$	$\frac{1}{n \ln(n)}$ is convergent or divergent.	
n=2	m(n)	
Exercise 2 (3 points)		
	a^n	
Determine whether the series $\sum_{n=1}^{\infty}$	$\frac{e}{e^n}$ is convergent or divergent.	
n=1	$_{1}$ $^{\prime\prime}$	
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Exercise 3 (3 points)		
Determine whether the series $\sum_{i=1}^{\infty}$	$(-3)^n$ is convergent or divergent	
Determine whether the series $\sum_{n=1}^{\infty}$	$\frac{(-3)^n}{n!}$ is convergent or divergent.	

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QUIZ # 4 Code 2 (Duration = 20 minutes)

QCIZ # 4 Code 2 (Duration = 20 initiates)

NAME:______ID:______Section:_____

Exercise 1 (4 points)

Determine whether the series $\sum_{n=1}^{\infty} \frac{\sin(n)}{n^2}$ is convergent or divergent.

Exercise 2 (3 points)

Determine whether the series $\sum_{n=1}^{\infty} [1 - \ln(2 + \frac{1}{n})]^n$ is convergent or divergent.

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Exercise 3 (3 points)

Determine whether the series $\sum_{n=1}^{\infty} \frac{(-2)^n}{(n+1)!}$ is convergent or divergent.