## King Fahd University for Petroleum and Minerals

Department of Mathematics & Statistics

Term 152

Math 101 (14)

Quiz#4 (3.4, 3.5, 3.6 and 3.7)

Family Name:

S.r#

Q1. Find y'(e), if  $y = x^{\ln x}$ 

## Q2. Use the following table to evaluate ..

X	f(x)	f'(x)	g(x)	g'(x)
-1	2	-1	2	2
1	-1	3	1	-1

$$\left(\frac{f(-1)}{g(x)}\right)'(-1)$$

$$\frac{d}{dx}f(e^{1-x})\Big|_{x}$$