

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 181) Math 101 Quiz # 3

Name: _____ I.D. # _____ Sr. # _____

1. Given $f(x) = \cos\sqrt{\sin(\tan 3x)}$, find $f'(x)$.

2. Given the table below and $h(x) = g(f(x))$, find $h'(1)$.

x	$f(x)$	$g(x)$	$f'(x)$	$g'(x)$
1	3	2	4	6
2	1	8	5	7
3	7	2	7	9

3. Given $\tan(x-y) = \frac{y}{1-x^2}$, find y' .