## King Fahd University of Petroleum & Minerals Department of Mathematics and Statistics

 ${\bf Math~101\text{-}27\text{-}Term141\text{-}Quiz.3}$ 

Nam	ne:
ID:	$\mathbf{Serial}\#:$
O 1	Find $f'(x)$ if $f(x) = \sqrt{5x+9}$
Q 1.	Find $f'(x)$ if $f(x) = \sqrt{5x + 9}$ . Given $f(x) = \frac{x^2 + 7}{3x - 1}$ find $f'(2)$ .
	A position of a particle at time $t$ is given by
	$s(t) = \frac{1}{1+t} m/s$ . Find the velocity and the speed after 2 seconds.
<b>Q</b> 4.	If $y = \tan(\sin x + \cos x)$ find $y'$ .
SOLUTIONS —	
Q1.	

Q2.

Q3.