## Math 2143 - Brief Calculus with Applications $_{\rm Quiz~\#3}$ - $_{\rm 2013.01.22}$

Name:		

1. (	Compute	the	derivative	of $g(x)$	$=3x^2$ –	4x +	2.
------	---------	-----	------------	-----------	-----------	------	----

2. Compute the derivative of 
$$f(x) = \sqrt{x}$$
.

3. Compute the derivative of 
$$f(g(x))$$
, do not simplify!