## NameALG2RCCRegents Review #3

**Directions:** This is a study tool for the next regents review quiz.

1.	If $f(x) = 2x + 7$ and $g(x) = 3x^2 - 1$ , what	Justify your answer.
	expression would represent $f(g(x))$ ?	
-	Answer:	
2.	Find the values of <i>m</i> and <i>b</i> for the	Justify your answer.
	following equation to be an identity	
	6(2x-5) - (mx+2) = 9x + b	
	Answer:	
3.	The average rate of change of the	Justily your answer!
	function $f(x)$ on the interval [-1, 4] for	
	is $-3$ . If $f(-1) = -7$ , what is the	
	value of $f(4)$ ?	
	Answer:	



Answers: 1)  $6x^2 + 5$  2) m = 3, b = -32 3) f(4) = -22 4) D: (-7,7] R: (-6,4]5)  $x = -\frac{3}{19}a$