Math 1A (9:30am – 10:20am) Quiz 1 Version C Fri Jan 8, 2009 SCORE:/ 10 POINTS			What month is your birthday? What are the first 2 digits of your address? What are the last 2 digits of your zip code? What are the last 2 digits of your social security number?  [IF YOU DO NOT HAVE A SOCIAL SECURITY NUMBER, USE YOUR STUDENT ID NUMBER]					
If an arrow is fired u $y = 57t - 4.9t^2.$	pward with a veloci	ty of 57 m/s, its he	eight in meters $t$ second $57 \times -4.9 \times 4.9 \times 1.5 \times 1$	nds later is given by	USING X	ORE:/3 POINTS	5	
			y for the time period b			5.0008		
		time period lasting						
	0.	1 second	0.02 second	0.004 s	econd (	0.0008 second		
average v	relocity 7	51) =	(7,902)	2 (7.98	204)2 (	7.9961)2		
		rounded to 4 decimal places						
[b] [FILL IN 7	[FILL IN THE BLANK] The instantaneous velocity at $t = 5$ is							
	7-10-20-X-20-10-10-10-10-10-10-10-10-10-10-10-10-10	*******		**************************************	水袋水大子人子次	水浆浓水卡人		
The point $P(4, 2)$ lies on the curve $y = \frac{\sqrt{x}}{x-3}$ .  SCORE:/5 POINTS  [a] [FILL IN THE TABLE] If $Q$ is the point $\left(x, \frac{\sqrt{x}}{x-3}\right)$ , find the slope of the secant line $PQ$ for the following values of $x$ :								
slope of secant line		x = 4.04	x = 4.004 ounded to 4 counded to 4 counded	$x = 3.6$ $2.906)^{2}$ $ecimal place$	x = 3.96 $-1.822$ ces	x = 3.996		
[FILL IN THE BLANK] The slope of the tangent line at P is 1.75].								
			gent line at $P$ (in poin	t-slope form) is	-2=-1.75	5(x-4).		
人十六次器	本女子人子女本紫	水水十人十六水	黎本女女女女称	· 女子人子女>	火袋衣女子人女女	(本缘本办本人		
The table below show	ws the value of a fur	nction $y = f(x)$ .			SC	ORE: / 2 POINTS	S	
X	0	4	8	12	16	20		
f(x)	37	29	22	17	13	11		
Estimate the slope of SHOW YOUR CAL		P(12, 17) by avera	aging the slopes of tw	o appropriate seca	ant lines.			
1 13-17 2 (13-17) 2 (1b-17)	= 4 4	12(-54	+-1)=(-	9 OR ETTHE	1.125 RONE			