MATH 122   Spring, 2012   Quiz #1   Name:_____

1. You are given that L is a linear function of t. Find the slope m, the L-intercept b, and write the slope intercept equation of the line. Also fill in the remaining spaces in the table.

L	-45	51		179
t	-1	2	5	

2. Here are some values for two functions: $f(x)$ and $g(u)$. Caution! Be sure you recognize which is the independent variable and which the dependent variable.

x	0	1	3	4
$f(x)$	1	4	10	13

u	7	10	13	19
$g(u)$	27	30	32	36

a.   Explain why $f(x)$ could or could not be a linear function of x, and why $g(u)$ could or could not be a linear function of u.

b.   Compute $g(13) - f(4) =$ _____ .