Math120U, Quiz 3, 4/28/2004

Name	Student number
No notes allowed though you may use a non-graphic	cal calculator. 20 minutes for the quiz.
1. Let $f(x) = x$, $g(x) = x $ with their natural defined domain of this new function.	omains, write down the multi-part rule of $y = \frac{f(x)}{g(x)}$ and
	operations on the graph and the resulting new function the end. (next time, you'll need to complete the square
step 1:	
function 1:	
step 2:	
function 2:	
step 3:	
function 3: Continue your operations if needed and clearly needed.	mark the steps and functions.

- 3. Given the graph pf y = u(x) below, perform the following 2 operations, then draw the new graph and write down the new function by just using the notation u (no need to write down the multi-part function explicitly)
 - (a) reflect the graph of y = u(x) with respect to the x-axis
 - (b) rescale the graph in (a) vertically by a factor $\frac{1}{2}$





