Homework 1

1. In each of the following situations, indicate wherether $f - O(g)$, or $f = \Omega(g)$, or both (in which case $f = \Theta(g)$)

	$f(n)$	$g(n)$
(a)	$n - 100$	$n - 200$
(b)	$n^{1/2}$	$n^{2/3}$
(c)	$100n + \log n$	$n + (\log n)^2$