(1) Prove that for every real number x, -(-x) = x.

(2) Prove that for all real numbers x and y, x=y if and only if x-y=0.

(3) Prove that for all real numbers x and y, -x - y = -(x + y).

(4)	Prove that for all positive real numbers $x$ and $y$ , $x \cdot y$ is also a positive real number.
(5)	Prove that for every real number $x, x \neq 0$ if and only if $x^2 > 0$ .
(0)	
(6)	Prove that for all real numbers $w$ , $x$ , $y$ , and $z$ , if $w < x$ and $y < z$ , then $w + y < x + z$ .