Negate each of the following statements:

a) $p \text{ and } q$

b) $p \text{ or } q$

c) $p \rightarrow q$

d) $\forall x,\ P(x)$

e) $\exists y,\ Q(y)$

f) Given x, y in the domain of f, if $x < y$ then $f(x) > f(y)$.

g) There exists w in $[a,b]$ such that for every x in $[a,b]$, $f(x) \leq f(w)$.

h) Given any real number $M > 0$, there exists x in D such that $f(x) > M$.