Section _____ **Name** _____

TA _____ **Student Number** _____

Math 126B **Calculus With Analytic Geometry III** **Fall 1995**

QUIZ #1

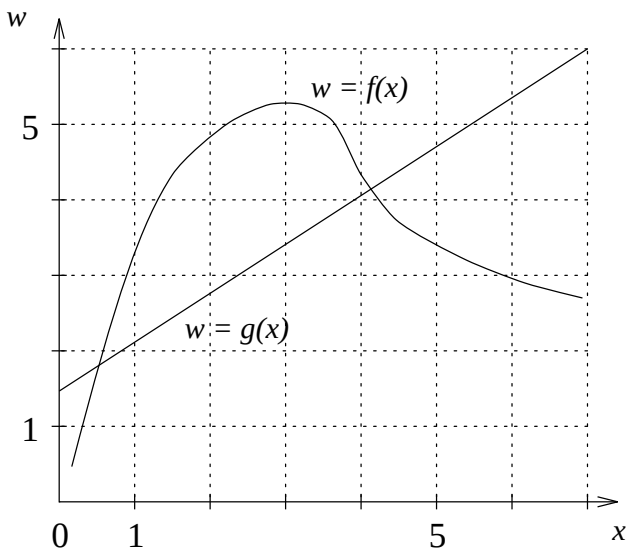
9/28/95

Straight lines must be drawn with a ruler; no credit will be given if drawn by hand. Don't worry about algebraically simplifying numbers (i.e. you may leave radicals in the denominator, fractions unreduced, etc.). **Show your work.**

The two functions $w = f(x)$ and $w = g(x)$ are given by their graphs below. We define a new function $h(x)$ by $h(x) = f(g(x))$.

1. Find $h(6)$.

$h(6) =$ ____

2. Find x such that $h'(x) = 0$.

$x =$ ____