# MATH 2 <br> PROBLEM OF THE WEEK 1 

Due Friday, January 24th, 2003 before the quiz.
Please show all your work!

Name:
Find the derivative of

$$
f(x)=\sqrt{\cos \left(\sin ^{2} x\right)}
$$

This is a multiple chain rule problem of the kind you've been having trouble with. So, please, be very careful while you're doing this.

