

“QUIZ” for Oct. 6, 2008

NAME: (print!) _____ **Section:** _____

E-MAIL ADDRESS: (print!) _____

- 1.** Use rules of differentiation to calculate $f'(x)$ (Do not simplify your answer).

$$f(x) = \sqrt{\sin^{-1} x} \cdot \ln x$$

- 2.** Use logarithmic differentiation to find the derivative of the function $f(x) = (2x - 1)^3(2x^3 + 1)^{21}$.