QUIZ #6: CALCULUS 1A (Stankova)
Wednesday, March 3, 2004
Section 10:00–11:00 (Voight)

Name:

Please complete the following problem(s) in the space provided. You may *not* use a calculator. You will have 15 minutes to complete the quiz.

Please include all relevant intermediate calculations and explain your work when appropriate.

Problem 1. *Find* y' *if*

$$y = \ln\left(\frac{2x}{x^2 - y^2}\right).$$

QUIZ #6: CALCULUS 1A (Stankova)
Wednesday, March 3, 2004
Section 11:00–12:00 (Voight)

Name:

Please complete the following problem(s) in the space provided. You may *not* use a calculator. You will have 15 minutes to complete the quiz.

Please include all relevant intermediate calculations and explain your work when appropriate.

Problem 1. *Find an equation of the tangent line to the curve*

$$y = \frac{|\ln x|}{x^2 + 1}$$

at the point $(2, (\ln 2)/5)$. *Simplify if you want full credit.*