NAME:

SECTION: (circle one) 11:00-11:55 12:05-1:00

Math 105 - Quiz 5 - October 17, 2005

Instructions: Show all of your work and circle your final answers. Calculators are allowed, but notes and books are not.

1. (10 pts.) Calculate the derivative of $f(x) = \ln(4x^2 + 3x)$.

2. (10 pts.) The equation $x^3 + x^2y + xy^2 + y^3 = 8$ implicitly defines a curve. What is the slope of this curve at the point $(0, 2)$?