

**“QUIZ” for Oct. 19, 2009**

**NAME:** (print!) \_\_\_\_\_ **Section:** \_\_\_\_\_

**E-MAIL ADDRESS:** (print!) \_\_\_\_\_

1. Change the order of integration in

$$\int_1^4 \int_0^{\ln y} f(x, y) \, dx \, dy \quad .$$

2. Evaluate

$$\int_0^2 \int_{y/2}^1 \frac{1}{(x^2 + 1)^2} \, dx \, dy \quad ,$$

by inverting the order of integration and evaluating the new iterated integral.