

Name _____

Mathematics 206a: Multivariable Calculus
Fall Semester 2005

David Haines

Quiz #32

November 16

Evaluate the double integral $\iint_R \sqrt{x^2 + y^2} dA$ where R is the region in the first quadrant and bounded by the unit circle $x^2 + y^2 = 1$ by converting to polar coordinates.