

Name _____

Mathematics 206a: Multivariable Calculus
Fall Semester 2005

David Haines

Quiz #31

November 14

Evaluate the double integral $\iint_R (x+y)dA$ where R is the region bounded by the lines $x+y=0$; $x+y=1$; $2x-y=0$; and $2x-y=1$ using the substitution $u=x+y$; $v=2x-y$