

Name _____

Mathematics 206a: Multivariable Calculus
Fall Semester 2005

David Haines

Quiz #23

October 26

Evaluate the line integral $\int_C f(x, y, z) dL$ where $f(x, y, z) = x + y + z$ and C is the straight line segment connecting $(1, 1, 1)$ to $(3, 4, 5)$.