Math 225: Calculus III Quiz 9 April 11/13, 1995 Name:______ Section:______

1. Let be the vector field $z^3y_1 + z^2y^2_1 + y^3z$. Compute .

2. Let be the curve parameterized by $(t) = t_1 + t_2 + t_3$, $0 \le t \le 1$. Compute the line integral $\int_2 x + 9z \, ds$.