Math 225: Calculus III Quiz 9 April 9/11, 1996

Name:
Section:

1. Let $=x^{2} y 1+y^{2} z \jmath+z^{2} x$. Compute ().
2. Let $C$ be the curve defined by $r(t)=t_{1}+\cos (t) \mathrm{J}, 0 \leq t \leq \pi / 2$. Compute the line integral $\int_{C} 2 y \sqrt{1-y^{2}} d s$.
