MAT 397, Section 001, Spring 2016 **Quiz 9, April 25**

Name: _____

Problem 1 (10 points) Evaluate $\int_C xds$ where C is given by $\mathbf{r}(t) = \langle 4t + 1, 3t \rangle$, $0 \leq t \leq 1$.

Problem 2 (10 points) Evaluate $\int_C x^2 dy$ where C is the arc of the curve $x = y^3$ from $(0,0)$ to $(1,1)$.