Print your name: _____

Score

You <u>may not</u> work with others or use the internet for this quiz.
You <u>may use</u> a calculator or your textbook.

1. Determine $\displaystyle\int_C \langle \sin(xy) + xy\cos(xy), x^2\cos(xy)\rangle \cdot d\mathbf{r}$ where C is the curve parametrized by

$$x(t) = (t/4)\cos t, \qquad y(t) = (t/4)\sin t, \qquad 0 \le t \le 17\pi/4.$$