

“QUIZ” for Lecture 18

NAME: (print!) _____ **Section:** _____

E-MAIL SCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: q18FirstLast.pdf) ASAP BUT NO LATER THAN Nov. 9, 8:00pm

1. Let C be the line segment from $(0, 1)$ to $(2, 3)$, find $\int_C xy \, ds$.

2. Evaluate

$$\int_C xy^2 \, dx + x^2y \, dy \quad ,$$

where C is $x = t^2, y = t^3, 0 \leq t \leq 1$.