## "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  $\int_C xy\,ds$ .

$$x = (\cos t)$$
 $x = (\cos t)$ 
 $x = (\cos t)$ 
 $x = -\sin t$ 
 $y = -\sin t$ 
 $y = -\sin t$ 
 $y = -\sin t$ 
 $y = -\sin t$ 

$$\int_{c}^{\infty} \int_{c}^{\infty} \int_{c$$

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

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

$$\int_{0}^{2} t^{11} dt + t^{7} dt$$

$$= \frac{1}{12} t^{22} + \frac{1}{8} t^{8} \Big|_{0}^{1} = \frac{5}{24}$$