In this problem, I correctly completed the variable substitution and in the final step correctly integrated both sides and swapped back the x and y variables. I admit that I made a very low-level error in the calculation, but I actually wrote all the steps needed to solve the problem completely and correctly, and thus I do not think that a score of 2/10 is justified.

Also I think the TA is assuming that I made a mistake in the variable substitution step shown in the green pen in the diagram, but in fact I did not, so I am requesting that this

problem be re-corrected.

Thank yo	e re-corrected. ou for your help!	
28	Homework #3 42/50	
	Problem 3.1	
C 3/10	Promblem District to the contract continued	0
	2xy + (x²+y²) dx = 0	
	=>24+[1+[2]] = = = = 1+v2	
	let v= 4 ,504= Vx => 20 dy 0 = d(vx) - x. 9x + V +2	
	2V+(11V)(XXX 1V) - V (XXX 1V)	
1- /2	=> 2V+ X4 + VX (HV2)X XX + V+V3 = 6	
0+X	=> X(1+v2) dx +3v+v3=0x=> 1+v2 dy-dx	R
11.) = (X4 -> (H)/(21/4)/3) dly = = dlx	7
	$u = \sum_{k=1}^{1} \frac{1}{2} \frac{1}$	V+C
	V=X > 1/5 + 1/4 + 1/3 + 3/2 0 + n X = 0 = -3 n (1/4) v/4	46
	5x3 4x4 X 2x4 17 17 2x 3x 3x 5x 6x 3x 3x 5x 6x	
	X=CV+5V)	1
	Problem 2 X= C(\frac{1}{23} + 3\frac{1}{2}) 3	1
1 - 1	$(x+y)+(y-x)\frac{dy}{dx}=0$ = $(x+y)+(y-x)\frac{dy}{dx}=0$	
1 2	=>(1+4)+(4-1)dx=011	
	$ (+\frac{1}{4}) + (\frac{1}{4} - 1) _{dx} = 0 \text{ for all } 1 for all $	
	-(1+V) + (V-1) (X4K+V)=0) x + (1) x etatiteday	
1 1 t	$= \times (1/-1) CV + 1/2 + 1 = 0$	
7	=	
	V2+1 W = - X - 2 / 2 / 100 / 1	
	= 1 ((+1) - tan (+1) + lnx = C	
	The state of the s	
+		