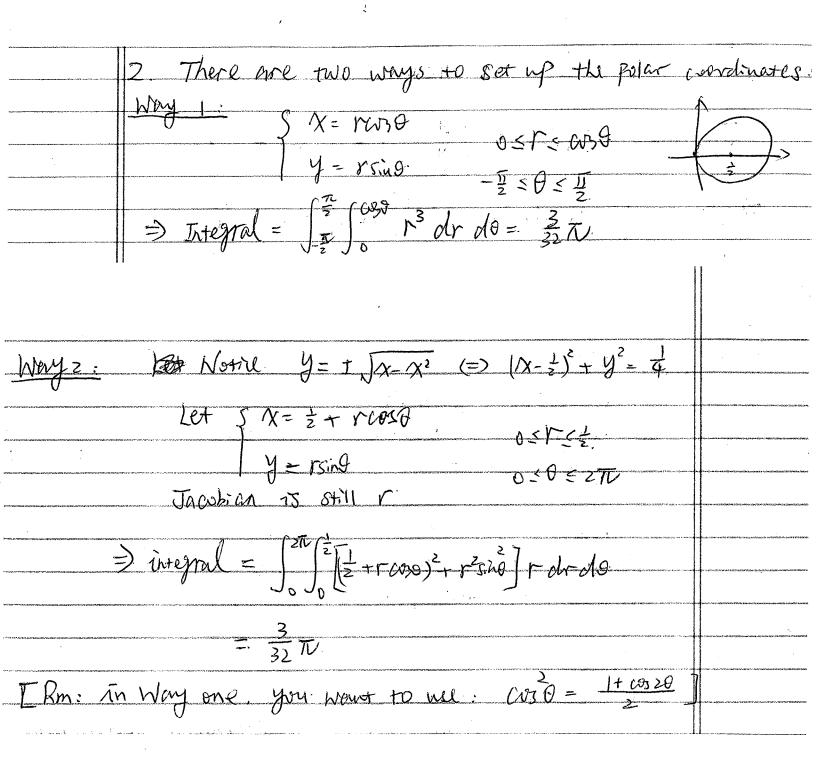
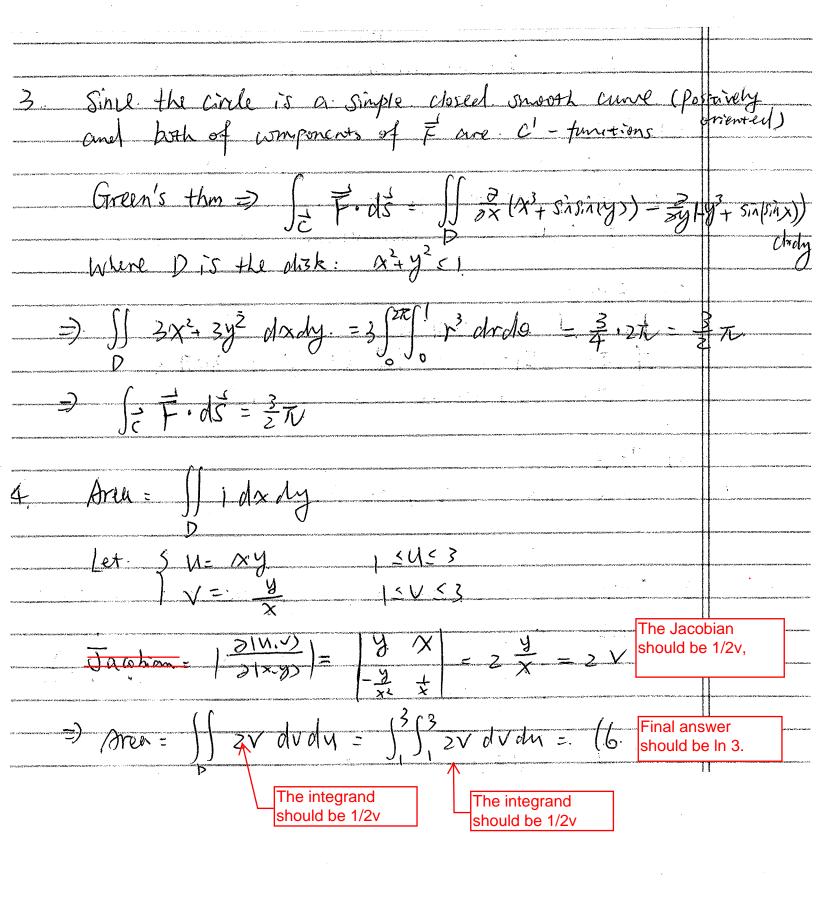
La Se





The region looks like

By Green's thm.

$$\int_{\vec{c}} \vec{F} \cdot d\vec{s} = \iint_{\vec{b}} \left(\frac{\partial D}{\partial x} - \frac{\partial^2}{\partial y}\right) dx dy$$

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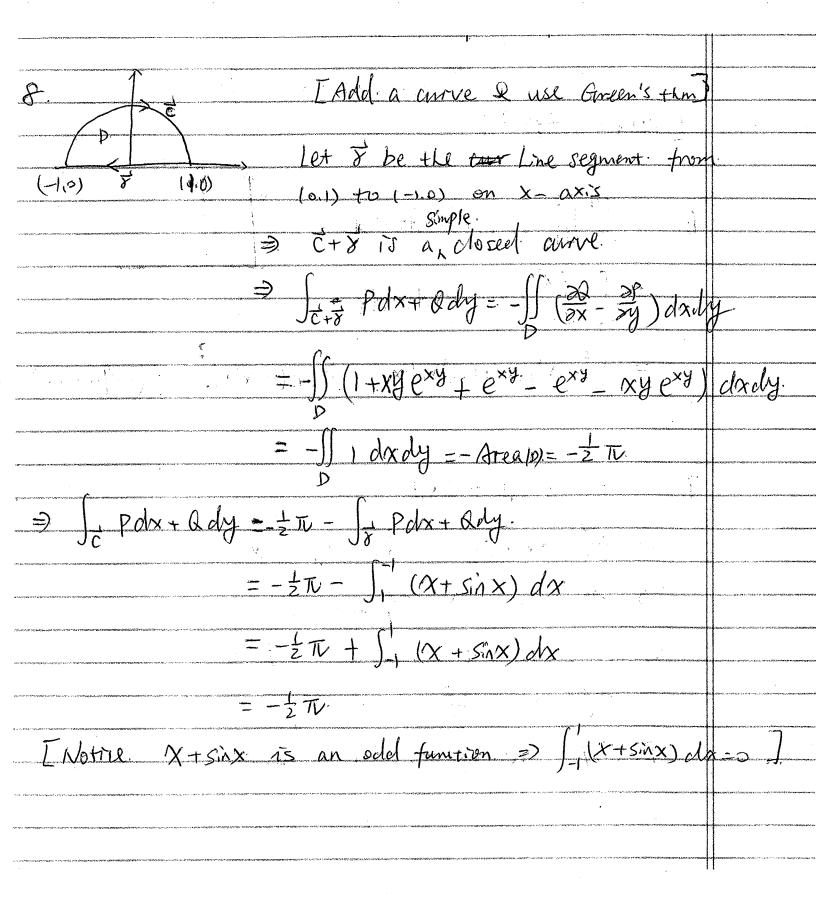
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	$Z = \chi^2 + y^2 + C\chi y$	
	$\frac{\partial^2}{\partial x} = 2x + cy. \qquad \frac{\partial^2}{\partial y} = 2y + cx$	
	$\Rightarrow \frac{\partial^2}{\partial x}(0,0) = 0 \qquad \Rightarrow \frac{\partial^2}{\partial y}(0,0) = 0$	
	=> 10.0) is the critical point of Z.	ende mentre en la grand de santida de santida de proposación de desenvolva por en entre en entre en entre en e
	$\frac{\partial^2 z}{\partial x^2} = 2 \cdot \frac{\partial^2 z}{\partial y^2} = 2 \cdot \frac{\partial^2 z}{\partial x \partial y} = C.$	
	$D(X,Y) = \frac{\partial^2 z}{\partial x^2} \frac{\partial^2 z}{\partial y^2} = \frac{\partial^2 z}{\partial x \partial y}^2 = 4 - C^2$	
	in particular, DIO.0) = 4-c2	
Case I	: if. 4-c² >0 il 26C62 then, D10.0)	>0
	⇒ (out) is the local min of Z.	All Care Care Care Care Care Care Care Care
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- The state of the	=) No condus, on	and the second s
Call II:	of 4-c² <0 il c>2 or c<-2 then	(10,2) (20,2) (20,2)
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4 4 5	$= \frac{2}{3}\pi + \iint_{\Omega} \mathbf{r} dr d\theta$
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	[On So., you can use parametrization < rivit. rsint. U >
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	Rm: I If I don't have time to show you examples of. Guers +hm, you don't have to warry about the application of it]

