Fall 2020	ENG 5300	Quiz	z 2	Ferris Kimmil
You must show all work to receive full credit. All work is to be your own.				<mark>October 5</mark>
This is a closed bo	oks and notes test. Be org	anized.	Total points: 20	19:44-19:51
1. $\S10.4$ Evaluation of Line Integrals by Green's Theorem.				20 points

Using Green's Theorem, evaluate $\oint_C \mathbf{F}(\mathbf{r}) \cdot d\mathbf{r}$ counterclockwise around the boundary curve C of the region R, where

 $\mathbf{F} = [\cosh y, -\sinh x], R: 1 \le x \le 3, x \le y \le 3x$