Fall 2020	ENG 5300	${ m Quiz}2$	Chaowei Li
You must show all	work to receive full credit	. All work is to be your	own. October 5
This is a closed bo	oks and notes test. Be org	ganized. Total points	s: 20 19:44-19:57

1. §10.4 Evaluation of Line Integrals by Green's Theorem. 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 $\mathbf{F} = [x \cosh 2y, 2x^2 \sinh 2y], \quad R: \quad x^2 \leq y \leq x.$ 20 points