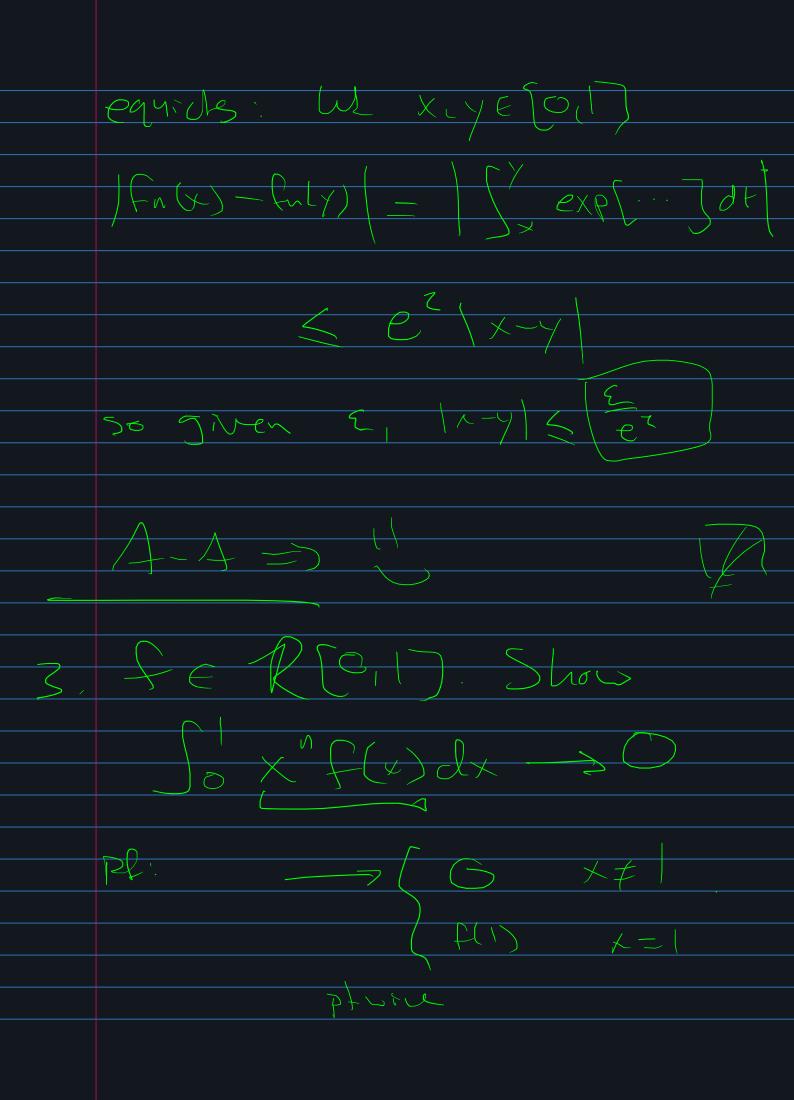
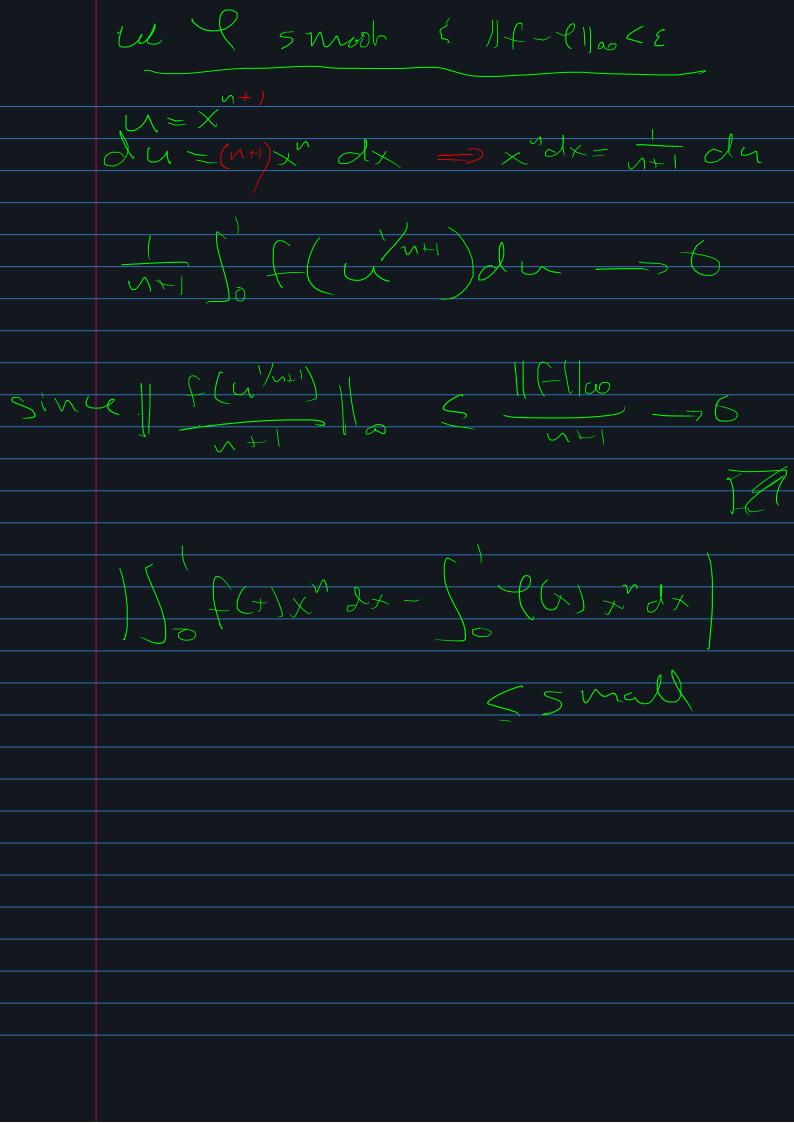
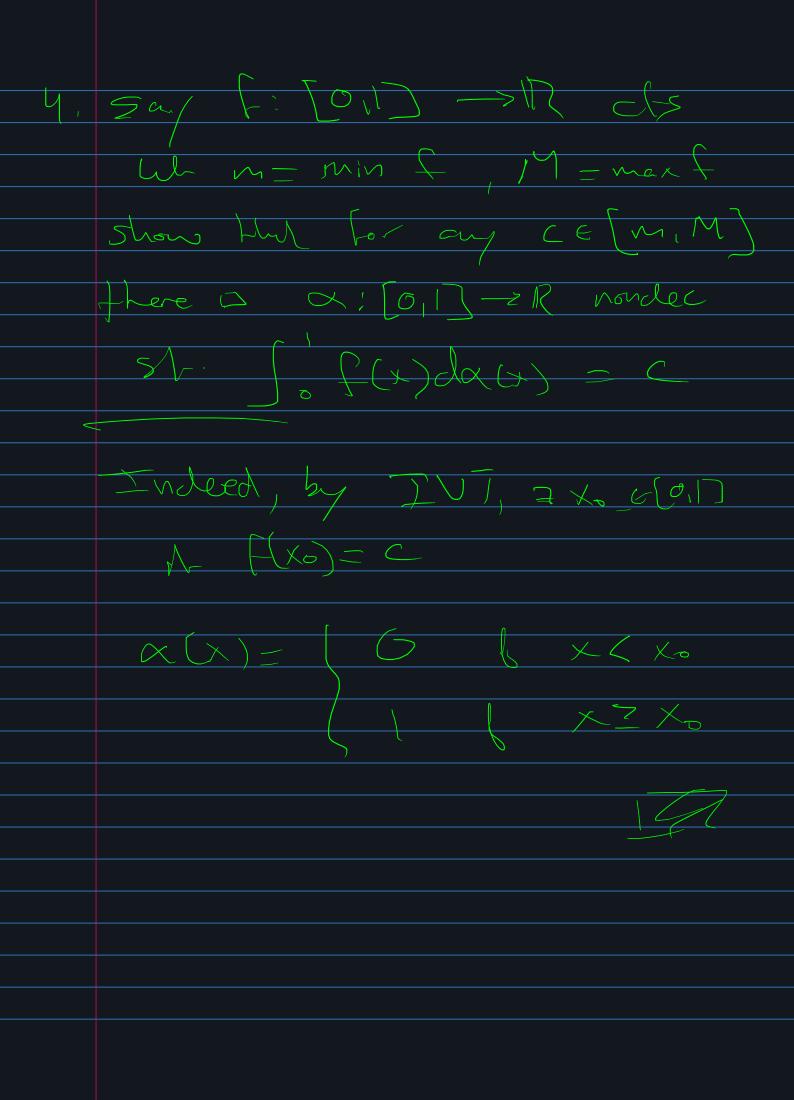


Z. consider fri [OI] -> 17 Fulx)=) exp (1+ty) sin (9nts) dt Where Jan's any seg on R 5 New for has a unit conv 505569. Plan: show bold+ equives

Hen use A-A. Bdd:-25(1+69)sin(9,65) < 2 -- 2 => e < exp[] 5 e exp[] $\leq \|e^2 \times \|_{\infty} \leq e^2$







	Prob	lem 1.
		ne Stone-Weierstrass Theorem to confirm that piecewise-linear continuous functions are in $C[0,1]$.
	dense	
		↓
		not a 1 ubaley
		Cathre version & S-W
		U
Stone-Weierstrass Theorem (lattices). Suppose X is a compact Hausdorff space with at least two points and L is a lattice in $C(X, \mathbf{R})$ with the property that for any two distinct elements x and y of X and any two real numbers a and b there exists an element $f \in L$ with $f(x) = a$ and $f(y) = b$. Then L is dense in $C(X, \mathbf{R})$.		
		FOLK CIP, devise. pro, inears
		/5 C1-0 DOS (0.50)
		are chs. so can (Jud poly
		close to the pw lines.
		therefor, P.W. Ithers are device
		X an infonde space
		R(X) NOT Separable

