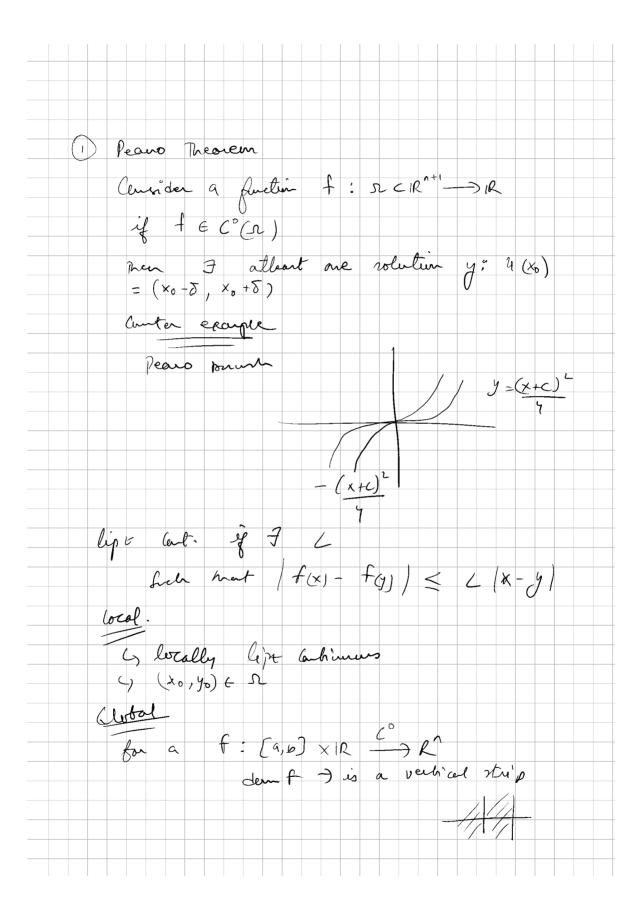
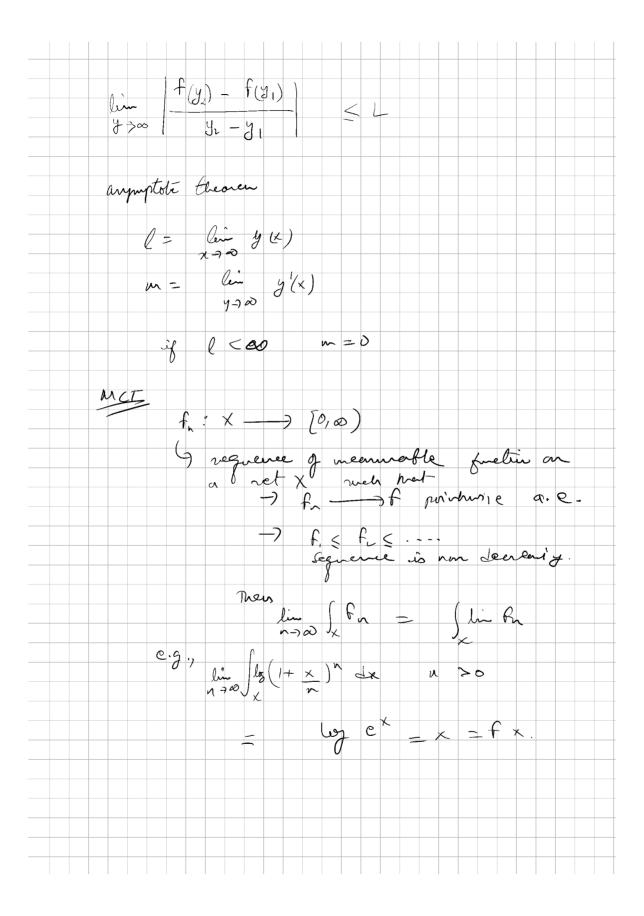
ADVANCED MATHEMATICAL METHODS FOR ENGINEERS

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for: R -7 R measurer fle fuetrus

7 aways por horize a.e.

7 (for(x) \le g(x) Jucha -) M'cuam no lebergue pelvar - lebergue - not rienam.

Din'clalet produce

metrin on bounded intervals

are beggere integerble. metric pace $d(x,y) \leq d(x,z) + d(y,z)$

Set g veelors metur (Noum) $||\cdot|| \times \longrightarrow [0,\infty)$ Captele Get d(xn, xm) doent Conveye to o as o nor in x Canely Jequere

(X)

Soch hat d(X, Xm) < E

E>0 Hen the named frace (X, 11.11) in called a sanger frace d11.11 (x,y) = 11 x - y 11 leal unter the e.g.., nom + helic pace = havech Space

