Taylor's Theorem					
$\{1, \lambda, \tau, \lambda, \tau, \lambda, \tau, \tau,$		- 10.000			
$f(x) - T_{n,\alpha}(x) = R_n$	(X) v	- U			
f(111) (c) (x-a) a		Polar			
(141)!					
for some c ba	etreen x a	ind a			
Corollary: Taylor's Inequa	<u>lity</u>				
IR, a (x) 1 = 1	1 /x - a n+1				
Where M > If "	⁺¹⁾ (c)				
F 70 010 1	C 1	+ / /			
Ex. If f(x)= [1+x, fm3	T _{2,0} (x)			
F'(x) = 1 -	+ /(O) = C),5			
2)1+x	V 2 3 2				
-1					
F"(x) = - 4(1+x)3/2	> f"(b) = -1				
F" (x) = 3 (x+1)3/2					
8(7+1)32					
CLOY	= (10) (b) = E	"/2/ [~- 1)2			
$T_{2,0}(K) = \frac{f(0)}{0!} + \frac{1}{2}$	11 1 1)			
() Approximate	J1.1.				

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