60		Date Page
g. Sta	ting with x, xt = :	the root of the egn
2075 appr	eximation x3 to	the root of the egh
	Con:	
	here, $f(x) = x^3 - 2$	2x-5=0
	f'(x)=3x2-	2
We	have, x, = 2 B	e the initial guessing root.
154	iteration:	
	$x_0 = 2$	
	$f(x_0) = -L$	
	f'(70): 10	
Nau	Now,	
	$x_{\perp} = x_{0} - f(x_{0})$	)
	f'(:	
	= 2 - (-	
	J	10
	= 2.1	
Simi the	table below;	s, x 3 , and tabulating in
~	×n	$x_{n+1} = x_n - f(x_n)$
		- ('('\n')
0	2	5.1
1	2.1	2.0945
2	2.0945	2.0946
3	2.0946	2.0946
7he	third approximation	2n 73 = 2.0946
	J	3