Ft. bine?

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Lomerock !

1.	Te	1 12	1 12 g	13 l	14/
	1	0	1	-7	20
	1	X. I	4.46	13	1.
	2	-5	7		
	-3	2		.	
	4	-,=.(x)	M. X. 3. F) = (x)	4 . × 6

THE TAX I DE LA COMPANIE DE LA COMPA									
Ī	XI	1	22	221	£31	248			
1	7	3	$\frac{0-3}{3-1} = \frac{3}{2}$	5+3 -13	$\frac{-\frac{4}{3} - \frac{13}{6}}{6 - 1} = \frac{-21}{6 \cdot 5} = \frac{-7}{10}$	7-1 = 9 = 3			
	3	.0	5-0 = 5	1-5 = 4 6-3 = 3	- + + + + - 3 = - + + - + + - + + - + + - + + + - +				
	4	5	7-5 = 1	$\frac{-6-1}{7-4} = \frac{-7}{3}$					
	.6	7	$\frac{1-7}{7-6} = -6$						
	7	. 1			1.4				

3
$$f(x) = (1+x)^{\frac{1}{3}}, x_0 = 0$$

 $f'(x) = \frac{1}{3}(1+x)^{-\frac{2}{3}}$
 $f''(x) = -\frac{2}{9}(1+x)^{\frac{-5}{3}}$

$$P_2(x) = 1 + \frac{1}{3} x - \frac{2}{9} x^2$$

TOO JOS

4. f(x) = rim x, xo = 0, [- #,] a bound of the error for Tof(x)

Find M >0 st $|Rmf(x)| \le M$ $|Rmf(x)| = \frac{|x-x_0|^{m+1}}{(m+1)!} f^{(m+1)} (3)$, 3 around x_0 and x_0

 $R_5 \varphi(x) = \frac{x^6}{6!} \cdot f^{vi}(x)$

f(x) = 1xmx, f'(x) = cosx, f''(x) = -1xmx, f''(x)

f'(x) = nm x, f'(x) = cox, f''(x) = -nm x

| f"(3) = | frim 3 | = nin 3 4 12

 $|R_5|(x)| \leq \left|\frac{\int_{0}^{1} |x^6|}{6!}\right| = \frac{|f^{(1)}(x^6)|x^6|}{6!}$

- II < X < II 16

 $\left(-\frac{\gamma}{4}\right)^{6} < \chi^{6} < \left(\frac{\gamma}{4}\right)^{6} = \chi^{6} = \left(\frac{\gamma}{4}\right)^{6}$