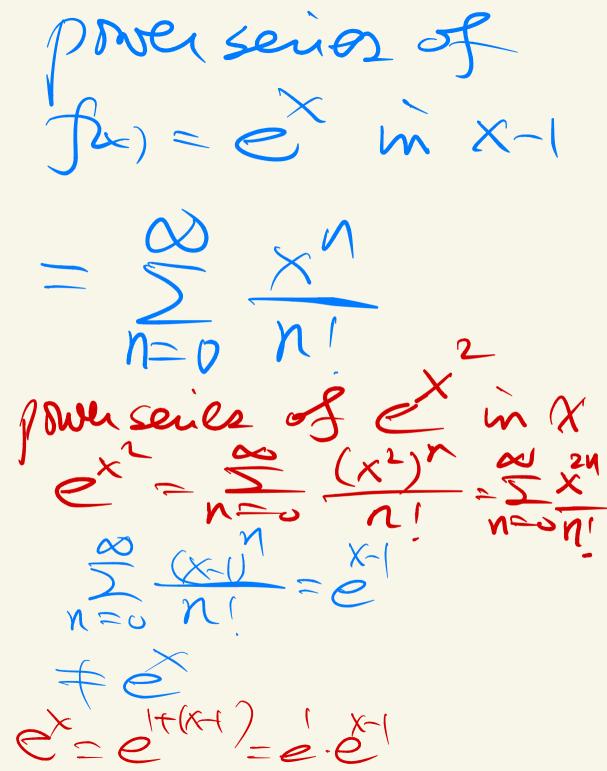
$$\frac{4}{4} = \frac{2}{4} = \frac{2$$

5 e (X-1)



fa)=SinX nower series m x-To Taylor series expansion of Pex)=5:1X

$$f(x) = \frac{1}{2}$$
 $f(x) = \frac{1}{2}$
 $f(x) = \frac{1}{2}$

at n= 75

fex)= sinx

 $= \frac{1}{2} + \frac{5}{2} (x - \frac{3}{6}) - \frac{1}{2} (x - \frac{3$

$$= Sin X = Sin \left(\frac{\pi}{6} + x - \frac{\pi}{6}\right)$$

$$= Sin \left(x - \frac{\pi}{6}\right) + Sin \left(x - \frac{\pi}{6}\right) \cdot \omega x \frac{\pi}{6}$$

(S)

 $CRX = \sum_{n=3}^{\infty} \frac{C(n)X^{2n}}{(2n)!}$