Gorin Miloy $\sum_{k+5} \frac{k+5}{4k^2+3k+2} \approx \sum_{k=1}^{7} \frac{1}{k}$ $\frac{k+s}{4k^2+3k+c}$ $\frac{1}{k}$ $\sum_{k=1}^{\infty} \frac{1}{k}$ P=1, Piveryee hy P.S.T $\lim_{k \to 0} \frac{k}{4k^2 + 3k + 2} = \lim_{k \to 0} \frac{k^2 + 3k}{4k^2 + 3k + 2} = \frac{1}{4}$ Grav Comordolly therpae $\frac{k+5}{4k^2+3k+5}$ Privoyes $\sum_{k=0}^{4k} \frac{2^{4k}}{(k+1)!} = \sum_{k=0}^{4k} \frac{(2)^{4k}}{k!(k+1)!}$

Vain $\frac{1}{k+1}$ $\frac{1}{k+1}$

Test

3.
$$\int_{x_{1}}^{2} (-1)^{k+1} (x-3)^{k}$$

A. $k=1$
 $\int_{x_{1}}^{2} (-1)^{k+1} (x-3)^{k}$
 $\int_{x_{2}}^{2} (-1)^{k+1} (-1)^{k}$
 $\int_{x_{2}}^{2} (-1)^{k+1} (-1)^{k}$

 $\frac{4}{x}$ $\frac{O(x) - (4)}{x^2}$ 8x $8\frac{1}{2}x^{-1/2}$ $\frac{2x^{-4}}{x^2}$ 4. A. 8x112 F'(x) = 4 x $f''(x) = -\frac{1}{x^2} \qquad f''(x) = \frac{1}{x^3}$ $f(\phi) + f'(x)(x-1) + f''(1)(x-1)^{3} + f'''(1)(x-1)^{3}$ P3 = 8 + 4(x-1) - 28 (x-1) 3 + 8(x-1) 3

B. ?

This is my Ans

Tigmore this EM ON WINDER VOF SKANT 4 MARS TO Port B. 8 + 4(.95-1) - 2(.95-1) + 8(.95-1)

5. Sinx = 5 (-1) x 2kx1 $\frac{1}{8 \cdot \pi x} = \frac{1}{(-1)^{K} (\pi x)^{2k}}$ A ? I am where (-1) K BYKAN(TTX) 2k+1 2k (2k+1) $\frac{1}{2} \frac{(-1)^{k} (T(1))^{2k+1}}{2k(2k+1)} - \frac{(-1)^{k} (0)^{2k+1}}{2k(2k+1)}$ I have mo due Mark By Comment