

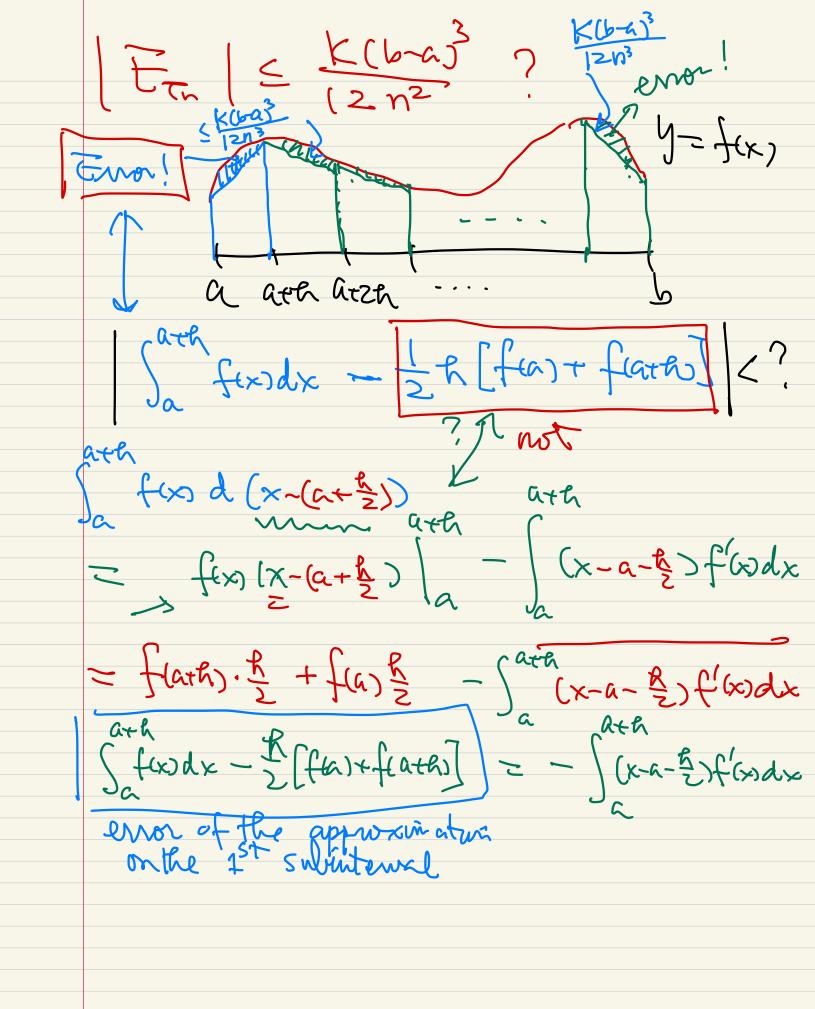
Emn , Ein Liszul! Ingeneral,

2 (2)

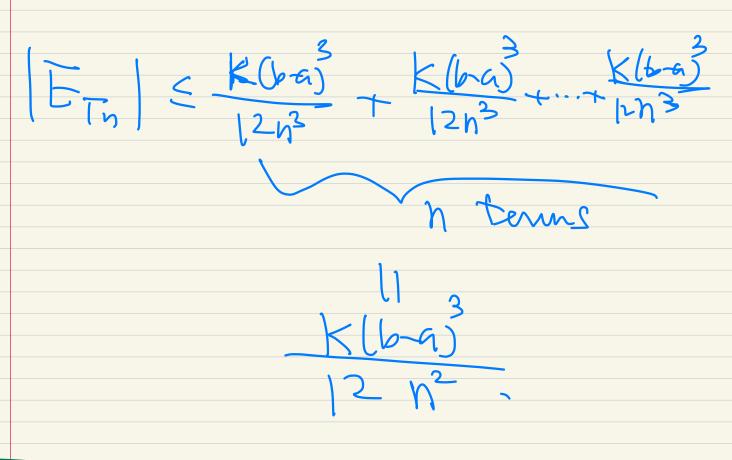
These wross

12. n^2 whoss

are less | FMn | \(\frac{2\cdot \cdot than -4 10 ' 2 [ESzn] < 24·2 180(2n)⁴ How large an n Consider: Me 5 hould 15. N3 < 10 Church 6 2 2 2 C 10 M = 116 $N^2 > \frac{3}{3} \cdot 10^4 = 81.7$ N= 82. Szn: N+> 4.10 29.5 180(2N) < 10 M = 10 4 to 180.24. n4



Jafix)dx - & [flat flath] $\frac{3\alpha}{2} = \int_{\alpha}^{\alpha} (x - \alpha - \frac{1}{2}) \int_{\alpha}^{\beta} (x) dx + \frac{1}{2} \int_{\alpha}^{\alpha} (x - \alpha - \frac{1}{2}) \int_{\alpha}^{\beta} (x) dx + \frac{1}{2} \int_{\alpha}^{\alpha} (x - \alpha - \frac{1}{2}) \int_{\alpha}^{\beta} (x - \alpha \frac{\int (x-\alpha)^2 h(x-\alpha)}{2} = \frac{1}{2}(x-\alpha)$ - Jath (12- 2/2) f"(x) dx Genor on 1St subuten al $\leq K \int_{\alpha}^{\alpha + \alpha} \left(\frac{R}{2} (x - \alpha) - \frac{(x - \alpha)^2}{2} \right) dx$ a Jara = K [R (k-a) 2 (X-a) 3] (x-a) - 2 (k-a) $= K \left[\frac{k^3}{4} - \frac{k^3}{6} \right] = \frac{kk^3}{12}$ $= k \left(\frac{b-a}{n} \right)^3 = \frac{k(b-a)^3}{12n^3}$ h= b-a,



 $|E_{Mn}| \leq \frac{k(b-a)^3}{24 n^2} |A_{\infty}|$ $= \frac{k(b-a)^3}{24 n^3} |A_{\infty}|$