Assignment #04.
D1@ fin)=x2-4x+5 0=x43, find the Riemann
Sum with n=6, taking the simple points to be
Sum with n=6, taking the simple points to be Sum left end points & Right endpoints & midpoints
(b) Use the midpoint Rule with n= 4 to
approximate the integral.
Sann du
D2: ODE Express the integral as a limit of Reimann
Sum. Donot evaluate the limit.
$\binom{3}{2}$
Express tu limit as a definit integral on the given Interval.
the given Interval.
iv $\lim_{n\to\infty} \frac{\int_{i=1}^{n} \frac{\sin n_i}{1+x_i} \Delta n}{\int_{i=1}^{n} \frac{\sin n_i}{1+x_i}} \frac{\sin n_i}{1+x_i} \left[0, \sigma \right]$
(11) $\lim_{n\to\infty} \frac{1}{\sum_{i=1}^{\infty} \frac{x_i^*}{(x_i^*)^2 + 4}} \Delta^n ; [1,3].$
(i) $\lim_{n\to\infty} \int_{\overline{i=1}}^{n} \frac{\sin n}{1+x_i} \Delta n$; $[0, \overline{i}]$ (ii) $\lim_{n\to\infty} \int_{\overline{i=1}}^{n} \frac{x_i^*}{(x_i^*)^2+4} \Delta n$; $[1,3]$. (iii) $\lim_{n\to\infty} \int_{\overline{i=1}}^{n} \frac{x_i^*}{(x_i^*)^2+4} \Delta n$; $[1,3]$.

194 Evaluat un integral the fundamental Theorem of catendral. (i) $\int_{V_{2}}^{\sqrt{1-x^{2}}} dx$ (ii) $\int_{V_{2}}^{\sqrt{1-x^{2}}} dx$ (iii) $\int_{V_{2}}^{\sqrt{1-x^{2}}} dx$ (iv) $\int_{0}^{\sqrt{3}} \frac{y^{3}-2y^{2}-y}{y^{2}} dy$ (v) $\int_{0}^{\sqrt{3}} \frac{y^{3}-2y^{2}-y}{y^{2}} dy$ (v) $\int_{0}^{\sqrt{3}} \frac{sino+sino+tan^{2}o}{scio} do$ (vi) $\int_{0}^{\sqrt{3}} \frac{y^{3}-2y^{2}-y}{y^{2}} dy$ (v) $\int_{0}^{\sqrt{3}} \frac{sino+sino+tan^{2}o}{scio} do$ (vi) $\int_{0}^{\sqrt{3}} \frac{y^{3}-2y^{2}-y}{y^{2}} dy$ (v) $\int_{0}^{\sqrt{3}} \frac{sino+sino+tan^{2}o}{scio} do$ (vi) $\int_{0}^{\sqrt{3}} \frac{y^{3}-2y^{2}-y}{y^{2}} dy$ (v) \int to find the derivative of 1) g(n)= SIt+t2 dt- Who=SIn+dt. (III) h (IX)= $\int \frac{z^2}{2^4+1} dz$. (IV) how = $\int \frac{4^2-1}{y^2+1} dy$ with the equation? $\int_{-1}^{2} \frac{4}{x^{3}} dn = -\frac{2}{\pi^{2}} \int_{-1}^{2} = \frac{3}{2} \int_{2}^{2} dn$ Sect x dx = fann $\int_{0}^{T} = 0$.

Q6: Evaluente The Internal of (3)

(1) \int sin^5(2t) \text{Co}^2(2t) \dt \text{(0)} \left(\frac{\sin^2(14)}{t^2} \dt (III) Stannseex du (IV) 5 14 51-10540 de 97:00 Evaluate the Internal by Torigomatric substitutions. (i) $\int x^2 \int 3+2x-x^2 dx$ (i) $\int \frac{x^2-1}{(x^2-2n+2)^2} dx$ $\frac{dn}{(a^2+n^2)^{3/2}} = a70 \cdot (1) \int \frac{dn}{2^2+a^2} dn$ De. Evaluate The Integral using partial fraction. $\int \frac{\int S^{(n+1)}(x-1)^n}{(x+a)(n+b)} dn = \int \frac{dn}{(x+a)(n+b)}$ $\frac{x^{5}+9x^{2}+x+2}{(x^{2}+9)(x+-2)}dx = (1) \int \frac{x^{3}-2x^{2}+2x+5}{x^{4}+4x^{2}+3}dx$

as a vational function and then evaluate the Integral (1) $\int \frac{dn}{(1+\sqrt{1}x)^2} \qquad \text{(1)} \qquad \int \sqrt{\frac{1}{x^2-3\sqrt{1}x}} dn$ $\frac{3\ln x}{4an^2t + 34ant + 2} dt \left(\frac{3\ln x}{10^3}\right) \frac{3\ln x}{\cos^2 x - 3\cos^2 x}$ Dio. Evaluate the Internal. $\int \frac{x \ln x}{x^{2}-1} dx$

SAID

CLast date 7

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