Wednesday, December 15, 2021

Dnoblems

andre = woodo $dx = \frac{\cos a}{2x} da$

 $=) \int_{0}^{11/2} y_{2} (0) \sin^{2} 0 d0$ $= \int_{0}^{11/2} \sqrt{\frac{1}{3} \sin^{2} 0} d0$

(2) Elle luste 5 Tho do $\int_{0}^{\pi/2} \sin^{1/2} 0 \quad G_{3}^{-1/2} \quad do$ $\int_{0}^{\pi/2} \sin^{1/2} 0 \quad G_{3}^{-1/2} \quad do$

 $=) \frac{1}{2} \frac{\beta(\frac{3}{4}, \frac{1}{4})}{\beta(m,n)} = \frac{\Gamma m \Gamma n}{\Gamma(m+n)}$

 $= \frac{1}{2} \Gamma(34) \Gamma(4)$ = 1/2 [1/4] [1/4]

J " Tano do = "/2 (3) Ethhate s (21 log21) d21

r(n+1)=nrn [(34) = [-(1-4) = +[(4)

 $\int_{-\infty}^{\infty} m \int_{-\infty}^{\infty} (m + \frac{1}{2}) = \frac{\sqrt{11}}{2^{2m-1}} \int_{-\infty}^{\infty} (2m)$

 $\int x^4 (\log x) dx$ Put x = -t dx = -t dx = -t dx = -t $t = \infty$ t = 0=) - 0-4t 4 -t dt

7-5t 4 dt

1-3in²0
Vas²0
(650