FO make of pinceter to Harrhand : poetly de quotition observable jet get me poten amogra que de ridere a hole on when blemind multimid. Ex important: paris - quitte maximent D. Dp 2 t Andre mederer, would be for i'm y is (a p=-ild): Dxy=Vexy-exy a: [(x7 y =) dx y (x,t) x y (x,t) ; (x2 , y =) dx y (x,t) x y(x,t); < P7 = [/x 4 (, 1) (- 2) } 4 (, t) ; < p > y = [Juy (()) - 2)] inj S. Jan rece I "rate equid" rates while go ablished in rene vegale, altidien me mitjame (p) do: La sua instac seia de 2.5 2. And rol (274 : 47741, exect ye l'att franks de par inderes (1-d) refert, d'aplate L. (1 clare inneres en le guediele pretis tolonise a l'interes 0 4x5 L) Per roulder expert excelled, primet weedlie l'excett 3, je ex in le devoter Vn EIN-503. l'excet 2 quedain emplad jumped. Par contlere, really gone l'and 3 3 Genedyon of resulted asteries a gularo del ath projer de Pensia yn Conspress verded expet expetit age on pendie realth tento l'apartit 2, Van- go: Yn = \(\frac{2}{2} \) oin \((n\frac{n}{2} x) \) oi \(\frac{Ent}{4} \), \(\text{Vn} \) \(60 \) Short go: Sy. y := Pr go he patrale de tobara en a ras [ail]. Trolon (x) fr - matri(1) de le l x and he need for , probes seen go LX7 you good com: First to formition (Sx so (ax) dx) $=\frac{2}{L}\left[\frac{x^{2}}{4}-x\cdot\frac{\sin\left(\frac{2\cdot n\pi}{L}x\right)}{4\cdot (n\pi L)}-\frac{\cos\left(\frac{2\cdot n\pi}{L}x\right)}{8\cdot (n\pi L)}\right]^{L}=\frac{2}{L}\cdot\left[\left(\frac{L^{2}}{4}-1\cdot\frac{\sin\left(\frac{2\pi n\pi}{L}x\right)}{4\cdot (n\pi L)}-\frac{\cos\left(\frac{2\cdot n\pi L}{L}x\right)}{6\cdot (n\pi L)}\right)-\left(\frac{x^{2}}{4\cdot x\cdot\sin\left(\frac{2\pi n\pi}{L}x\right)}-\frac{\cos\left(\frac{2\cdot n\pi L}{L}x\right)}{6\cdot (n\pi L)}\right)\right]$ $=\frac{2}{L}\cdot\left[\left(\begin{array}{c}\frac{L^{1}}{4}-\frac{1}{8\left(\frac{n}{2}\right)^{2}}\right)+\left(\begin{array}{c}\frac{A}{8\sqrt{n}}\\\frac{n}{2}\end{array}\right)^{2}\right]=\frac{2}{L}\cdot\frac{L^{1}}{4}:\boxed{\frac{L}{2}}$ $=\frac{2}{L}\cdot\left[\left(\frac{L}{4}-\frac{1}{8(np^{-1})}+\left(\frac{L}{8(np^{-1})}\right)\right]=\frac{L}{L}\cdot\frac{L}{4}=\left[\frac{L}{2}\right]$ $\leq P^{-1}Y^{n}=\int Y^{n}_{+}(r,t)\left(-it_{n}\right)\frac{\partial}{\partial x}\left(Y_{n}\left(r,t_{n}\right)\right)dx=-it_{n}\int Y^{n}_{+}(r,t_{n})dx=-it_{n}\int \left(\frac{L}{L}\sin\left(\frac{np_{x}}{L}\right)e^{\frac{t_{n}}{2}}\right)dx\int e^{\frac{t_{n}}{2}}dx\int e^{\frac{t_{$ $=-i\hbar\frac{2}{L}\binom{nn}{L}\cdot\left[\frac{\sin^2(\frac{nn}{L})^2}{2\cdot(nn\frac{L}{L})}-\frac{\sin^2(\frac{nn}{L}\cdot 0)}{2\cdot(nn\frac{L}{L})}\right]=-i\hbar\frac{2}{L}\cdot\binom{nn}{L}\cdot 0=0$

Exerci 3 logidais : riptopole quinter

Un are good type a galood ble all giges de l'ange, rein gi pare. l'quett ? 2. Notion que tel i un la not a l'opatet estoin realt (3) et ralm de a so suffer a le origin si a le Billett. For last term of you l'all founted II you did on d'amplele 1, 2274. 1 4774. $=\frac{2}{L}\cdot\left[-\frac{\frac{4}{3}\cos\left(\frac{nnk}{L}\right)\cdot\sin\left(\frac{nn}{L}\right)}{2\cdot\left(\frac{nn}{L}\right)}+\frac{x^{\frac{3}{3}}}{4\cdot\left(\frac{nn}{L}\right)^{\frac{3}{2}}}+\frac{\cos\left(\frac{nnk}{L}\right)\cdot\sin\left(\frac{nnk}{L}\right)}{2\cdot\left(\frac{nn}{L}\right)^{\frac{3}{2}}}+\frac{x}{4\cdot\left(\frac{nn}{L}\right)^{\frac{3}{2}}}+\frac{x}{4\cdot\left(\frac{nn}{L}\right)^{\frac{3}{2}}}\right]^{\frac{1}{2}}=\frac{2}{L}\cdot\left[\left(\frac{L^{\frac{1}{2}}\cdot\cos\left(\frac{nn}{L}\right)\cdot\sin\left(\frac{nnk}{L}\right)}{2\cdot\left(\frac{nn}{L}\right)^{\frac{3}{2}}}+\frac{x}{4\cdot\left(\frac{nn}{L}\right)^{\frac{3}{2}}}\right]^{\frac{1}{2}}=\frac{2}{L}\cdot\left[\left(\frac{L^{\frac{1}{2}}\cdot\cos\left(\frac{nn}{L}\right)\cdot\sin\left(\frac{nnk}{L}\right)}{2\cdot\left(\frac{nn}{L}\right)^{\frac{3}{2}}}+\frac{x}{4\cdot\left(\frac{nn}{L}\right)^{\frac{3}{2}}}\right]^{\frac{1}{2}}$ $\frac{(-r (\ln n) \cdot r_{in}/(\ln n)}{4 (\ln n \cdot \frac{1}{L})} + \frac{L}{4 (\ln n \cdot \frac{1}{L})} - \left(0 + 6 - 0 + 0\right) = \frac{2}{L} \cdot \left(\frac{L^3}{6} - \frac{L}{2 \cdot (\ln n \cdot \frac{1}{L})^3} + \frac{L}{4 (\ln n \cdot \frac{1}{L})^3}\right) = \frac{2}{L} \cdot \left(\frac{L^3}{6} - \frac{L^3}{2 \cdot \ln n^3} + \frac{L^3}{4 \ln^3 n^3}\right) = \frac{L^2}{4 \cdot (\ln n \cdot \frac{1}{L})^3} + \frac{L^3}{4 \ln^3 n^3} = \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} + \frac{L^3}{4 \ln^3 n^3} = \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} + \frac{L^3}{4 \ln^3 n^3} = \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} + \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} = \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} + \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} = \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} + \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} = \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} + \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} = \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} + \frac{L^3}{4 \cdot (\ln n \cdot \frac{1}{L})^3} = \frac{L^3}{4 \cdot$ $\angle p^{2} \gamma_{n} = \int_{\mathbb{R}^{n}} \psi^{n}(x,t) \left(-\xi^{2}\right) \frac{1}{2x^{2}} \psi(x,t) J_{n} = -\int_{0}^{2} \int_{\mathbb{R}^{n}} \psi(x,t) J_{n} = -\int_{0}^{2} \int_{\mathbb{R}^{n}} \left(\sqrt{\frac{1}{2}} \sin\left(\frac{n\pi x}{2}\right) \frac{1}{2x^{2}} \right) \right) \right) dx$ $= + \frac{1}{L^2} \cdot \frac{2}{L} \cdot \frac{n^{\frac{1}{1}}}{L^2} \int_{-L^2}^{L^2} (\frac{nnx}{L}) \cdot \sin(\frac{nnx}{L}) \cdot \sin(\frac{nnx}{L}) \cdot dx = + \frac{1}{L^2} \cdot \frac{n^{\frac{1}{1}}}{L^2} \cdot \frac{1}{L^2} \cdot \frac{n^{\frac{1}{1}}}{L^2} \cdot \frac{1}{L^2} = \frac{n^{\frac{1}{1}}}{L^2} \cdot \frac{1}{L^2} \cdot \cdot \frac{1}{L$ emples applied at princedor to Hoiseberg per carbon dels att d'angia catar del par chair: Dxy. Apr. > 1 , Vn & N. fo} Ten: $\Delta_{A} \psi_{A} = \sqrt{\langle x^{1} \gamma_{yA} - \langle x^{2} \gamma_{yA} \rangle} = \sqrt{\left(\frac{1}{2} \cdot \left(\frac{A}{7} - \frac{L}{2n^{2}n^{2}}\right)\right) - \left(\frac{L}{2}\right)^{2}} = \sqrt{\frac{L^{2}}{3} - \frac{L}{2n^{4}n^{2}}} - \frac{L^{2}}{4} = \frac{L}{2nn} \sqrt{\frac{n^{2}n^{2}}{3} - 2}$ $\Delta p \gamma_n = \sqrt{2 p^2 \gamma_n - 2 p^2 \gamma_n} = \sqrt{\left(\frac{\chi_n^2 \eta_n^2}{L^2}\right) - 0} = \sqrt{\frac{\chi_n^2 \eta_n^2}{L^2}} = \frac{\chi_n \eta_n^2}{L}$ Per tod: Δ_{xy_n} . $\Delta_{py_n} = \left(\frac{k}{2n\pi} \cdot \sqrt{\frac{n^2}{3}}\right) \cdot \left(\frac{k}{2n\pi}\right) = \frac{k}{2} \sqrt{\frac{n^2}{3}} - 2$ 74 pague n E IN- 503, en anot, per n= 1 tation go local relation 1 1357 i version go: (1) 1.1357 2 1/2 que per verfience el princetore de Hordrag.

Portat, on Ru not Vn E IN- for a complex (x740, 1/2 / 277m = 0