2.7 Yex,0): { AX OSXS a/2 A(0-x) 925×5a a) from A ved normores 1: [14x,011 dx Side Symetrish, Så velger X & CO, 9/2] AX $|Ax|^2 = A^2x^2$, $A^2\int_{-24}^{24} dx = A\frac{x^3}{3}\int_{-24}^{4} -7\frac{A^2a^3}{24} = 1$ fore for XSEO, and garger we ned 2. A = 12. Som a make verdien til bølgefulsjoner a) fin Yex, t), Yex, t) = \(\sum_{n=1}^{\infty} \left(\sum_{a}^{\infty} \x) e^{\frac{1}{2}} for X € [0, 9/2] (~ 5 [2 [] Sin (100 ×) x dx delvis integrasjon: V= X V'. 1 f: Sin (nax) F: -a (os (nax)) $(n \cdot 2\sqrt{6})([x \cdot \cdot \cdot a] (os nax) + \int_{a}^{a} a \cos nax dx)$ (n = 2/3 5~ (n=) - 2/5 (os (na) (n = \(\frac{4\sigma_{\text{n}}}{\text{n}^{\sigma_{\text{n}}}}, \quad \text{n = 0, p, 13 } \)
\(-\frac{4\sigma_{\text{n}}}{\text{n}^{\sigma_{\text{n}}}}, \quad \text{n = 3, 7, 11} \)

Scanned by CamScanner

C)
$$|G_1|^2 = E_1$$
 $|G_1|^2 = E_1$
 $|G_1|^2 = E_1$
 $|G_1|^2 = G_2$
 $|G$

ereste forskjelle mellom Vo og V, er en skalar på Fimu 5å <x7y = 0

Observed of to var grun tilsted for hunter oscillator for high 2.6 In ex = An (a,) "How. En-(n+2) how wie har E, i dette tilfellet E, : (2+1) . 3 2
Så da vet jeg at <p?>
Typ = 3 mwt

Same stronosyon hunce vi ogsn gjort for Lx? Typ.

e)
$$\langle T \rangle_s \langle p^2 \rangle$$
 $\langle V \rangle_s \frac{1}{2} m \omega \langle T \rangle$
 $\langle T \rangle_{V_0} = \frac{1}{2} \frac{m \omega}{2m} + \frac{1}{2} \frac{m \omega}{4} +$

Scanned by CamScanner