Term Test #1

Sola (-1.W.)

Sparzき >> P·X~基

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1
\end{bmatrix}
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1 \\
2
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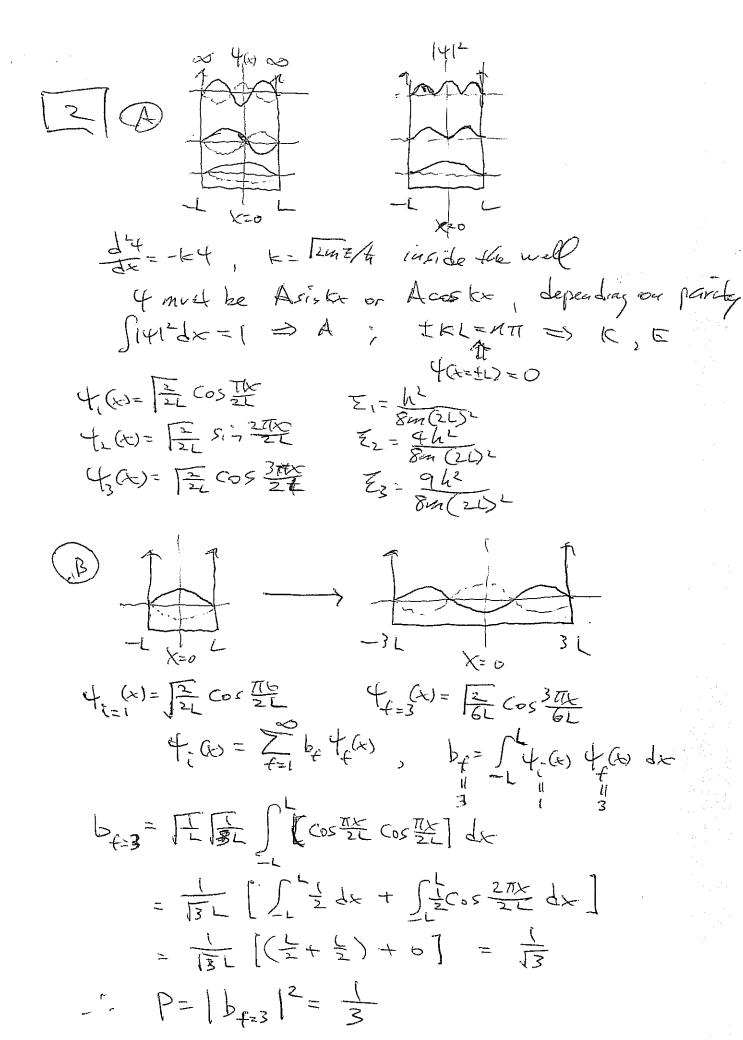
 $\frac{\partial E}{\partial x} = 0 = -\frac{t^2}{4m\chi^2} + kx = 5 \qquad x^2 = \frac{t}{2\sqrt{m}E}$

=> Emi= \frac{t^2 \int \tau_k}{8m \tau} + \frac{1 \k \tau_k}{22 \limb \tau_k} = (\frac{1}{4} + \frac{1}{4}) \tau_k} = \frac{1}{4} \tau_k

= - \frac{\frac{1}{2} \left[- \frac{\frac{1}{2}}{2} + \frac{1}{2} \right] + \frac{1}{2} \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} +

- 14 = (tau) +

E. a constant



$$\frac{3}{\sqrt{3}} = \frac{3}{\sqrt{3}} = \frac{3$$

A I.
$$t''=-k$$
, $K=\frac{2mE}{h}$ \Rightarrow $t_1 = \frac{fik_1 x}{h} + \frac{fik$

(B)
$$t_{I}(0) = t_{II}(0)$$

 $t_{I}(0) = t_{II}(0)$
 $t_{II}(1) = t_{II}(1)$
 $t_{II}(1) = t_{III}(1)$

P= rmer > 8=(v) β= V/C δ= (1-β¹)-V₂ } ⇒ 1-β²=β² ⇒ β= √2 8=12 = [2 -1) mec2 => [KE= ([1-1] Mec2 ⇒ ju=-it[4(==+if=)+-+(-==-if=)4)] = - it [++ i Po + + + + i Po] Note: ++=++*
: e e = 1 = -12 2 |4/2 Po [](w)= 14/2 Po | Method: = A Solve = 202 - 1 \frac{Pox}{41} = \frac{1}{41} = \fr = A [[dx & exer = it] de the exer = let [wanishes]

A f (1) - I Po S e - St dx = Normalization a Method : j(x) = -ita [4* dt - 4 dt] = + = 1 [4* Popt - 4 Pop 4*] From let part of B 5/41- Fod = 2m < P>-2 = 10>= P. 7