Attendance Quiz for Lecture 19

NAME: (print!)	Section:
E-MAIL ADDRESS: (print!)	

Version of Dec. 19, 2024 (thanks to Daryl Chu)

1.: Find the Laplace Transform of the pde $u_{xx} = 4u_{tt}, t > 0$.

2.: Solve the pde

 $u_{xx} = u_{tt}$, 0 < x < 2 , t > 0 ,

subject to the **boundary-conditions**

$$u(0,t) = 0$$
 , $u(2,t) = 0$, $t > 0$,

and the **initial conditions**

$$u(x,0) = 0$$
 , $u_t(x,0) = \sin(\pi x/2)$, $0 < x < 2$

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