Attendance Quiz for Lecture 14

NAME: (print!)	Section:
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- 1. A string of length 10 meters coincides with the interval [0, 10] on the x-axis. Set up the boundary-value problem for the displacement u(x, t).
- **a.** The ends are secured to the x-axis. The string is released from rest from the initial displacement $x^2(10-x)^7$.
- **b.** The ends are secured to the x-axis. The string is along the x-axis at the very beginning, but has initial velocity $sin(\pi x/10)$.
- **c.** The right end is secured to the x-axis, but the left end moves in a **transversal** manner according to $\sin(4\pi t)$. Initially the string is undisplaced and is at rest.