

Attendance Quiz for Lecture 3

NAME: (print!) _____ **Section:** _____

E-MAIL ADDRESS: (print!) _____

1. Use the Laplace Transform to solve the following initial-value problem.

$$y' + y = f(t), y(0) = 0, \text{ where } f(t) = \begin{cases} 3, & \text{if } 0 \leq t < 2; \\ -1, & \text{if } 2 \leq t < \infty. \end{cases} ,$$