

## Attendance Quiz for Lecture 1

**NAME:** (print!) \_\_\_\_\_ **Section:** \_\_\_\_\_

**E-MAIL ADDRESS:** (print!) \_\_\_\_\_

1. Using the **definition** find the Laplace transform  $\mathcal{L}\{f(t)\}$  (alias  $F(s)$ ) of

$$f(t) = \begin{cases} 3, & \text{if } 0 \leq t \leq 1; \\ e^t, & \text{if } t \geq 1. \end{cases}$$

2. Using Tables, find  $\mathcal{L}\{f(t)\}$ , if  $f(t) = (t + 1)(t + 2) + e^t + \sin t$ .