Dr. Z.'s Math 421(1), (Fall 2014, RU) REAL Quiz #3

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. Compute (using Lecture 4's method!) $\mathcal{L}\{t^2 e^t\}$.

2. Solve the IVP

$$y' + 2y = \delta(t-1) + 2\delta(t-2) \quad , \quad y(0) = 2 \quad .$$