

EENG307: Intro to Feedback Control

Fall 2020

Homework Assignment #2

Quiz #4

Quiz Question Wednesday: Find the inverse Laplace Transform of the following function

$$F(s) = \frac{s + 3}{(s + 1)(s + 2)}$$

- (a) $(2e^{-t} - e^{-2t})u(t)$
- (b) $(-e^{-t} + 2e^{-2t})u(t)$
- (c) $(2e^{-2t} - e^{-t})u(t)$
- (d) $(e^{-t} + 2e^{-2t})u(t)$
- (e) $(-2e^{-t} + e^{-2t})u(t)$