

EE 475 Quiz #4

Name: Solution

- The time domain specifications of a control system is defined for the open / closed (circle the correct answer) loop system, with the initial conditions set at 0, and an external input being unit step.
- The closed-loop unit step response of a system is given below. Find the following time-domain specifications, and mark them on the graph also.

- $y_{ss} =$ 0.9
- $e_{ss} =$ 0.1
- $t_s =$ 1.15
- $t_p =$ 0.42
- $t_r =$ 0.15
- $t_d =$ 0.2
- $M_p =$ 25%

