Practice Test

Midterm #1

ECE 452/552: Control Systems Design I

- Closed book and closed notes, except as described below.
- One only $(8\frac{1}{2}^{"} \times 11^{"})$ page of handwritten notes is permitted. (Written on both sides is OK).
- No calculators can be used.
- Scrap paper is not to be used. Show all work on the exam paper.

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Student name:		 	

Problem 1.

Obtain the z transform of

$$X(s) = \frac{s}{(s+1)^2(s+2)}$$

Question 2.

For the system shown below, obtain the closed-loop pulse transfer function C(z)/R(z).

