

EE32a Introduction to Linear Systems
October 10, 2001

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Homework Assignment 2
Due 9am, Wednesday October 17, 2001

Reading: OW2, Chapter 2, Sections 2.0–2.3, pp. 74–116.

Problems to Hand In:

Problem 1. OW2, Problem 2.21, parts (a)–(d). I require that you use the z -transform method in at least two of these four problems. Also, please find the system function $H(z)$ in all four cases.

Problem 2. OW2, Problem 2.22, parts (a)–(d).

Problem 3. OW2, Problem 2.40.

Problem 4. OW2, Problem 2.41, *except*, skip part (a) and do part (b) directly, using z -transforms.

Problem 5. (Not counted, but recommended.) BDS, Problem 2.1, pp. 20–22.