

ESE305 Homework #2
(DUE 9/16/99)

2.25(a)

- (i) has memory
- (ii) not invertible
- (iii) noncausal
- (iv) stable
- (v) time invariant
- (vi) not linear

2.25(f)

- (i) has memory
- (ii) invertible
- (iii) noncausal
- (iv) not stable
- (v) time invariant
- (vi) linear

2.30(b)

- (i) memoryless
- (ii) not invertible
- (iii) causal
- (iv) stable
- (v) time invariant
- (vi) nonlinear

2.30(d)

- (i) memoryless
- (ii) not invertible
- (iii) causal
- (iv) stable
- (v) time invariant
- (vi) nonlinear

9.27(c)

- (i) memoryless
- (ii) not invertible
- (iii) causal
- (iv) stable

- (v) time invariant
- (vi) not linear

9.27(d)

- (i) memoryless
- (ii) invertible
- (iii) causal
- (iv) stable
- (v) time invariant
- (vi) not linear

9.29(a)

- (i) has memory
- (ii) invertible
- (iii) causal
- (iv) not stable
- (v) time invariant
- (vi) linear

9.29(c)

- (i) has memory
- (ii) invertible
- (iii) noncausal
- (iv) time invariant
- (v) stable
- (vi) linear