

ECE 312 HW #2

1. (4 points) problem 6, page 153. (do the nonlinearity and time invariance checks only)
2. (3 points) problem 7, page 153 (do the linearity check only)
3. (3 points) a system is described by

$$y(t) = \int_{-\infty}^t x(\mu) d\mu$$

is this system linear? is it time-invariant?