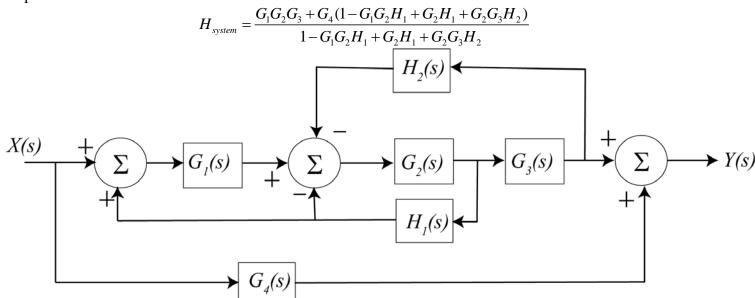
## **ECE-205**: Dynamical Systems

## Homework #8

**Due:** Thursday February 2 at the beginning of class

## Read section 6.7 for problems 1-3. You are responsible for this material, but we will not cover it in class.

- 1) Chapter 6, Problem 6.7
- 2) Chapter 6, Problem 6.8
- 3) For the block diagram shown below, determine a corresponding signal flow diagram and show that the closed loop transfer function is



- 4) Chapter 7, Problem 7.1
- 5) Chapter 7, Problem 7.2
- **6)** Chapter 7, Problem 7.3
- 7) Chapter 7, Problem 7.4
- 8) Chapter 7, Problem 7.5
- 9) Chapter 7, Problem 7.6
- 10) Chapter 7, Problem 7.7
- 11) Chapter 7, Problem 7.8