

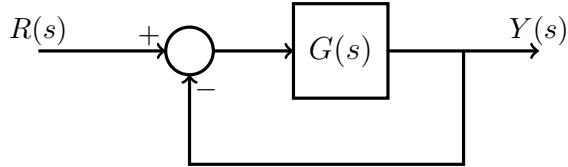
# EENG307: Intro to Feedback Control

Fall 2020

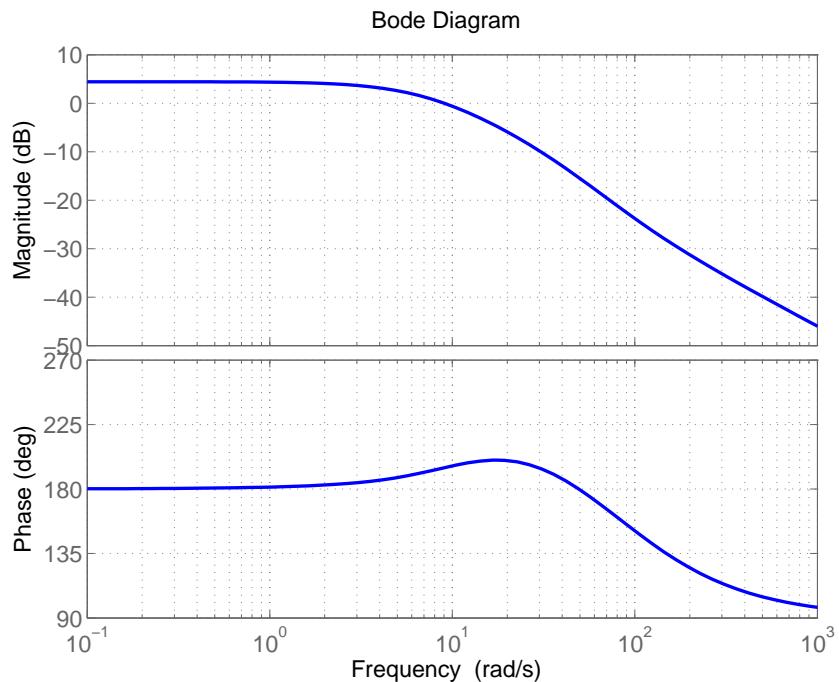
Homework Assignment #11

Quiz #5

Quiz Question Friday: Consider following unity gain feedback system.



The following is the Bode plot of  $G(s)$ , which has 1 unstable pole.



Sketch the Nyquist plot, and use the Nyquist stability criterion to determine if the closed loop system is stable.

- (a) Cannot be determined with given information
- (b) Closed loop unstable
- (c) Closed loop stable