**Summer 2023**

**AME 455: Control System Design**

**Final Exam**

**Start Date: July 6, 2023 @ 8:00 AM**

**End Date: July 7, 2023 @ 7:59 AM**

**Student Name:** ­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructions:

* Use MATLAB as necessary.

**Problem 1 (10 points): ROOT LOCUS**

**Problem 2 (10 points): BODE PLOT**

**Problem 3 (10 points): NYQUIST PLOT**

**Problem 4 (10 points): SHORT ANSWER QUESTIONS**

**Problem 5 (20 points): CONTROLLER/COMPENSATOR DESIGN**