

## **ENEL 487**

### **Practice Set 4**

The following questions are based on the 5<sup>th</sup> edition of “Power System Analysis and Design” by Glover. From Chapters 6 of the book, please attempt the following problems:

- **6.18**
- **6.23**
- **6.28**

The posted solution for this question uses the power flow equations with  $Y_{bus}$  expressed in polar coordinates (i.e. the equations used in the book). During one of week 11 lectures, we will look at this question using power flow equations with  $Y_{bus}$  expressed in rectangular coordinates (i.e. the equations used in lectures)

- **6.30**
- **6.31**