ESTIMATION AND DETECTION THEORY

HOMEWORK # 6:

Please work out the ten (10) problems stated below – HVP refers to the text: H. Vincent Poor, An Introduction to Signal Detection and Estimation (Second Edition), Springer Texts in Electrical Engineering Springer, New York (NY), 2010. With this in mind, Exercise II.2 (HVP) refers to Exercise 2 for Chapter II of HVP. Exercises are located at the end of each chapter.

Show work and explain reasoning.

1. Solve Exercise IV.1 (HVP).

2. Solve Exercise IV.2 (HVP).

3. Solve Exercise IV.3 (HVP).


5. Solve Exercise IV.5 (HVP).

6. Solve Exercise IV.6 (HVP).

7. Solve Exercise IV.7 (HVP).

8. Solve Exercise IV.8 (HVP).


10. Solve Exercise IV.10 (HVP).