

**Engineering Mathematics**  
**Homework #2: Ch.12~Ch.16**

**Due: Monday December 19<sup>th</sup> 2022**

**Prof. Soonwook Hong**  
**Fall 2022**

All problems below are selected from Advanced Engineering Mathematics (Kreyszig) 10<sup>th</sup> edition.

**Problem 1. Ch12.3: 15번**

**Problem 14. Ch13.7: 18번**

**Problem 2. Ch12.6: 12번**

**Problem 15. Ch14.1: 22번**

**Problem 3. Ch12.7: 2번**

**Problem 16. Ch14.1: 25번**

**Problem 4. Ch12.7: 4번**

**Problem 17. Ch14.2: 11번**

**Problem 5. Ch12.9: 4번**

**Problem 18. Ch14.2: 23번**

**Problem 6. Ch12.12: 5번**

**Problem 19. Ch14.3: 1번**

**Problem 7. Ch13.2: 5번**

**Problem 20. Ch14.4: 10번**

**Problem 8. Ch13.2: 15번**

**Problem 21. Ch15.1: 20번**

**Problem 9. Ch13.3: 10번**

**Problem 22. Ch15.2: 11번**

**Problem 10. Ch13.4: 15번**

**Problem 23. Ch15.4: 6번**

**Problem 11. Ch13.5: 5번**

**Problem 24. Ch16.1: 6번**

**Problem 12. Ch13.5: 14번**

**Problem 25. Ch16.3: 7번**

**Problem 13. Ch13.6: 9번**