

Final Exam MA6350

1. Bedekar, Prajakta Purushottam: Problems 1.17 and 2.9 from the book of Haim Brezis.
 2. Bicol, Kayla Mullet: Problems 5.7, 5.8 from Haim Brezis's book.
 3. Chioma, Ndobu Shirley: Problems 5.17 and 5.26 From Haim Brezis book.
 4. Kim Daewa: problems 3.3 and 3.5 from . K. Hunter, Bruno Nachtergaele's book.
 5. Nguyen, Duong Bach: Problem 5.11 from haim Brezis's book
 6. Pahari, Basanta Raj: Problems 7.12 and 7.13 from K. Hunter, Bruno Nachtergaele's book.
- Guidelines:
 - Work on each problem as an individual project
 - Prepare a 5-10 pages written presentation and a 10-15 slides oral digital presentation for the solutions to the problems.
 - Make sure that the presentation are clean of errors and neatly prepared.
 - Even if you cannot solve a problem please include any approaches you considered and any partial results you have as well as any unproved claims you might believe are true. Behave as you would when asked to solve a difficult challenge...meaningful partial results are useful as well if they are presented properly.
 - Feel free to use any reference available.
 - For the oral presentation, make sure you clearly describe the respective questions. Try to present your work clearly without presenting all elementary computational details but rather insisting on the main steps of your proof. If necessary, show your proofs.
 - Prepare 10-15 slides for about 15-20 min presentation.
 - Make sure that the slides are informative and easy to follow and practice your presentation beforehand.
 - Include all proof details and calculations in the written presentation