MATH 285: Methods of Applied Math
Department of Mathematics, U of R   **Spring 2024**
Homework 1   **Handed out**: Wednesday, 02/14/24
                                                      Due: Wednesday, 02/28/24

    Do ALL Problems for full credit. Each main problem is worth the same number of points; almost likewise for each subproblem. Carefully explain your steps. If you invoke a "well known" theorem, make clear precisely which theorem you are using and justify its use.

1. Do Prob. 2, p45 from Strauss

2. Do Prob. 6, p46 from Strauss

3. Do Prob. 1, p52 from Strauss

4. Do Prob. 7, p52 from Strauss

5. Do Prob. 17, p54 from Strauss

6. Do Prob. 8, p52 from Strauss

7. Do Prob. 3, p56 from Strauss

8. Do Prob. 2 and 3, p60 from Strauss. For Prob. 2, please use Example 1 in the same section.

9. Do Prob. 5, p66 from Strauss

10. Do Prob. 1, p66 from Strauss