## Advanced Calculus 1 - Homework <br> MAT 525/625 Fall 2023 - D. Ivanšić

## List of Assigned Problems

Note: comma-separated objects count as one problem that earns the number of points stated in the column PF = Problem Farm

| Section | Type A (5 pts) | Type B (8 pts) | $\begin{gathered} \text { Type C } \\ \text { (12pts) } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 1.1 | 10, 11, 12, 13, 22a, 22b | $14,15,16,17,18$ | 19 |
| PF 1 | all | all | all |
| 1.2 | 1, 2, 13, 14 | 5, 7, 9, 11, 18 | 10, 17 |
| 1.3 | 8, 11c | $2,3,9,12$ | 13 |
| 2.1 | $\begin{gathered} 1 \mathrm{ab}, 1 \mathrm{~cd}, 2 \mathrm{ab}, 2 \mathrm{~cd}, 4 \& 5,10 \\ 11,12,13,16 \mathrm{a}, 16 \mathrm{~b}, 18,19,20 \end{gathered}$ | $6,8,9,22,23$ | 24 |
| 2.2 | 1, 3, 4, 6b, 10a, 16, 18 | 2, 5, 14b, 14d, 15b, 15d, 17 | (none) |
| PF 2 | all | all | all |
| 2.3 | 7, 8, 9, 11, 12, 13 | 1, 4, 6, 10 | (none) |
| 2.4 | 6, 14 | $2,3,4,7,13,16$ | (none) |
| 3.1 | 4, 5b, 5d, 6c, 6d, 7, 9, 10, 12 | $8,14,15,16,17$ | (none) |
| 3.2 | 1b, 1c, 3\&4, 1d\&6a, 6cd, $11,12,16 \mathrm{bc}, 19 \mathrm{~cd}$ | $\begin{gathered} 2,7,14,15, \\ 17,18,20,21,22 \end{gathered}$ | (none) |
| 3.3 | 9, 11, 12ab, 14 | $1,2,3,6,7,10,12 \mathrm{~cd}$ | (none) |
| 3.4 | 1, 2, 4, 7ab, 8 | $3,5,6,7 \mathrm{~d}, 9,11,12,14,16$ | 10 |
| 3.5 | 1, 2a, 2b, 3ab, 3c, 5, 6, 7, 8 | $9,10,11,12,13,14$ | 4 |
| 3.6 | 2, 4a, 8bc, 10 | 1, 3, 4d, 6, 7, 9 | 5 |
| 4.1 | 1b, 2b, 3, 12bd, 13 | 7, 8, 10a, 10b, 15 | 16\&17 |
| 4.2 | $2 \mathrm{bc}, 2 \mathrm{~d} \& 3,5,8,14$ | $\begin{gathered} 4,6 \text { (third assert.), } \\ 9,10,12,15 \end{gathered}$ | (none) |
| 4.3 | 3, 4, 5bd, 5fh, 7 | 9, 11, 12 | (none) |
| 5.1 | $1 \& 2,3,5,6,7,8,9,10,11,12$ | 4bc, 13, 15 | 14 |
| 5.2 | 1bd, 5, 6, 7, 8, 10, 11 | 3, 9, 15 | 13, 14 |
| 5.3 | $1,2,4,8,14,15$ | $3,5,6,11,13,17$ | 18\&19 |

