Modern Algebra 1 — Homework MAT 513/613 Fall 2024 — 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)	$\begin{array}{c} \textbf{Type C} \\ (12 \text{pts}) \end{array}$
2.1	1, 2, 3, 4bc, 6bcd, 7, 8, 9, 10, 11&15	16, 20, 23&27, 29, 31	(none)
2.2	$17, 19, 22, 25\&34, 26\&28, \\32, 35\&36, 45, 47, 51, 52$	$\begin{array}{c} 33,37,41\&42,\\ 43\&44,49,50\end{array}$	48 corrected: multiple of 4
3.1	$\begin{array}{c} 2\&3,4\&5,6,7\&12,16,\\ 18,23,30,32,34 \end{array}$	8, 13&14&20, 15, 28&29, 31, 37, 42d	(none)
3.2	35, 38, 40, 48, 51, 56, 61, 66&67, 70, 71, 72, 74, 75	$\begin{array}{c} 47,49\&64,50\&52,\\ 58,59,73,76,78 \end{array}$	(none)
4.1	$1\&2, 3, 8, 9, 10, 11\&26, \\15, 24, 25, 28, 29, 38, 39$	$13, 14, 21, 22, 30, \\31, 32, 34, 35, 37$	20
4.2	40, 44, 46, 51, 52, 53, 55, 60, 62, 63, 66, 69, 70	$\begin{array}{c} 47,48,50,54,57,\\ 59,65,67,68,71,72\end{array}$	64, 74
5.1	1, 2, 3, 4, 5bef, 6, 8, 10&11, 13, 14, 15&16, 17, 18	9, 23&24, 34, 37, 38, 41, 45	(none)
5.2	$25, 32, 35, 36, 39, 40, \\43\&44, 47, 50, 51, 54, 55, 64$	53, 57, 58, 61, 62, 65, 66	(none)
10.1	$\begin{array}{c} 3,4,14,15\&31,19\&21,\\ 39,47\&48,49,56,59,60,64 \end{array}$	$\begin{array}{c} 6,\ 20\&52,\ 22,\ 23,\\ 24,\ 27,\ 28\&34,\ 32 \end{array}$	(none)
6.1	$\begin{array}{c} 1\&3,2,4,5,6,7,12,\\ 14\&16,17,18,21,22,24\end{array}$	19, 20&23, 32, 38, 40, 41, 44	(none)
6.2	25, 26, 30, 36, 37, 47, 49, 51, 53, 54, 55, 60	50&63, 57, 58, 59, 62&64, 65, 67	(none)
7.1	6&7, 9, 10, 11, 12, 13, 14, 16, 17, 18&19, 22, 23, 26	8, 20, 24, 25, 27, 29&31, 32	(none)
7.2	28, 30, 33, 34, 36, 37, 39, 41, 44, 48, 50, 57, 65	$\begin{array}{c} 38,40\&46,42,\\ 47,51\&52,56 \end{array}$	(none)
8.1	$\begin{array}{c} 4, 6\&8, 9, 13, 14,\\ 17, 18, 19\&20, 27 \end{array}$	2&31, 5, 10&11, 12, 22, 23	(none)
8.2	$\begin{array}{c} 43,50,52,53,60\&61,\\ 62\&63,66,69\&70,75\end{array}$	26, 41&54, 51, 57, 65	(none)