MA-227

Hw. 7 Solve the following systems. That is, find all possible solutions or show that no solution exists.

1. $x + y + z = i$
$2x + 3y - iz = 0$
$x + 2y + z = i$

2. $x + y - 3z + w = 1$
$2x - 4y + 2w = 2$
$3x - 4y - 2z = 0$
$x - 2z + 3w = 3$

3. $-2x - 3y - z + w = 0$
$y + 7z + w = -4$
$x + 2y + 4z = -2$
$-2x - 2y + 6z + 2w = -4$

4. Zill, 8e Appendix II (page App-18), #6

5. Zill, App II, #20

6. Zill, App II, #30