Homework Chapter 2 Section 2b

Solve the following systems.

1. x + y + 8z = 13 2. 8x - y + 2z = 14 3. 3x + 2y – 3z = -19

 x + y + 9z = 15 x + 2y - z = -5 2x – 3y + 2z = -5

 x + 6y + 6z = 4 2x + 2y - 3z = -8 4x – 4y + 4z = -8

4. -3x – y = 8 5. x + y + 2z = 11 6. 2x + y – 2z = -1

 y – 4z = 9 x + y + 3z = 14 3x - 3y – z = 5

 x - 4y + z = -9 x + 2y – z = 5 x - 2y + 3z = 6

7. 4x – y + 2z = 11 8. x – y + 3z = 8 9. 3x + 2y - 3z = -2

 x + 2y - z = -1 3x + y - 2z = -2 2x - 5y + 2z = -2

 2x + 2y - 3z = -1 2x + 4y + z = 0 4x – 3y + 4z = 10

10. 2x + 3y + 7z = 13 11. 2x - 4y + 3z = 17 12. x + z = 3

 3x + 2y - 5z = -22 x + 2y - z = 0 x + 2y – z = 1

 5x + 7y - 3z = -28 4x - y - z = 6 2x - y + z = 3