Section 6.2 – Solving by the Addition Method

Problem Set 2

Find the coordinates of the points where the following pairs of lines intersect.

1. $4y - x = -4$ and $-4y + 6x = -24$
2. $4x + y = 14$ and $4x - y = 10$
3. $x + y = 10$ and $-y + 4x = 5$
4. $8y + 4x = 12$ and $6y + 4x = 10$
5. $5y + 7x = 16$ and $8y + 7x = 1$
6. $y - x = 3$ and $-4y + 6x = 3$
7. $4x + 4y = 24$ and $5x - y = 0$
8. $-2x + 7y =$ - and $-x + 6y = 2$
9. $x + 4y = -9$ and $6x - 4y = 30$
10. $9x + y = 12$ and $y = 7$
11. $3x + 6y = x + 2$ and $5x = 9x + 6y - 10$
12. $3y - 5x = 2$ and $-4x + 6y = -4$
13. $y + 4x = 3 + x$ and $y + 4x = 2 - y$
14. $3x + 5y = 8$ and $4x - 5y = -1$
15. $4x - 9y = -25$ and $-6x + 7y = 5$
16. $9x + 4y = 13$ and $6x - 8y = -28$