

Section 6.2 – Solving by the Addition Method

Problem Set 3

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

1. $y - x = 2$ and $-y + 2x = 5$

2. $x + y = 3$ and $x - 3y = 7$

3. $x + y = 6$ and $y + x = 1$

4. $4y + 3x = 2$ and $3y + x = 4$

5. $2y + 4x = 10$ and $4y + 4x = 12$

6. $y - x = 2$ and $-3y + 3x = 1$

7. $x + y = 7$ and $2x - y = 7$

8. $-3x + 4y = -15$ and $-x + 3y = -10$

9. $x + 4y = -11$ and $2x - y = 5$

10. $6x + y = 7$ and $y = 4$

11. $x + 3y = x - 6$ and $2x = 6x + 3y - 14$

12. $3y - 2x = 1$ and $-x + 3y = 2$

13. $4y + x = x$ and $-2y + x + 2 = 3y - 10$

14. $-2x + 2y = -10$ and $2x - 3y = 11$

15. $x - 4y = -10$ and $-2x + 2y = 10$

16. $9x + y = 12$ and $4x - 4y = -24$