Solving Systems of Equations by Substitution

Unit 4: Systems

Solve each of the following systems by using SUBSTITUTION:

1. $y = 8x - 13$ $y = x + 1$	2. $y = -7x - 11$ $y = 10x + 23$
3. $y = -7x - 8$ $y = 7x + 6$	4. $y = -7x + 4$ $y = 4x + 4$
5. $y = -8x + 9$ $y = 3x - 2$	6. $y = 5x + 13$ $-4x + 2y = 20$
7. $-6x - 8y = 2$ $y = 5$	8. $y = -9x - 27$ $-9x - y = 27$
9. $8x - 8y = 0$ $y = -3x - 20$	10. $y = 8x - 6$ $9x - 9y = -9$

11. $x + y = 7$ $2x + 4y = 12$	12. $-8x - y = -5$ $-5x + y = 5$
13. $9x - 7y = -12$ $x + 3y = 10$	14. $5x + y = 0$ $-7x - 3y = -8$
15. $x - 3y = 10$ $-2x + 2y = -8$	16. $-2x - 4y = -22$ $2x - 2y = -26$
17. $10x + 9y = 20$ $-3x - 4y = -6$	18. $-5x - 3y = -5$ $9x + 6y = 3$
19. $4x - y = 6$ $4x - 3y = 26$	20. $-7x + 9y = 12$ $-9x + 3y = 24$