Algebra 2 – Systems of Equations

Solve the following equations:

1. $7x - 4y = -7$
   $5x + y = 22$

6. $x - 2y = 15$
   $2x + 3y = 2$

2. $-5x + 9y = -12$
   $3x + 2y = 22$

7. $6x + y = 15$
   $-7x - 2y = -10$

3. $5x + 2y = 21$
   $-x - y = -9$

8. $-x + 5y = -16$
   $-3x + 7y = -8$

4. $6x + 7y = -9$
   $-4x - 5y = 5$

9. $4x + 3y = -13$
   $-5x + 2y = -24$

5. $9x - 2y = -21$
   $2x + 3y = 16$

10. $2x + 3y = -1$
    $3x + 4y = -4$

11. 7x + y = 4
    −6x + 5y = −21

16. 6x + 3y = 13
    −9x − 4y = −17

12. 4x − 3y = −10
    7x + 3y = −12

17. 4x + 3y = −10
    9x + 2y = 6

13. 8x + 7y = −11
    4x − 3y = 14

18. 5x − 8y = −4
    −10x + 4y = 5

14. x + 10y = −14
    3x + 5y = −22

19. 4x + 9y = −12
    2x + 6y = −7

15. 3x − 4y = 17
    9x + 8y = 11

20. 2x + 3y = 2
    −8x − y = 25