Name: _____ **Class:** _____ **Date:** _____ **ID: A**

Solving Systems Elimination WS

What is the solution of the system? Use elimination.

1. $8x - 2y = 10$
   $3x - y = 9$

2. $4x - 2y = 8$
   $4x - y = 2$

3. $8x - 2y = 10$
   $3x - y = 2$

What is the solution of the system? Use elimination.

4. $5x + 4y = -2$
   $x - 4y = 14$

5. $x + 4y = 18$
   $5x - 4y = -6$

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

7. $4x + 4y = -16$
   $5x - 4y = 25$

What is the solution of the system? Use elimination.

8. $x + 3y = 13$
   $5x + 6y = 38$

9. $3x = -18 + 4y$
   $16y = 58 + 5x$

10. $x + 5y = -9$
    $2x + 20y = -28$

11. $5x + 4y = -32$
    $2x + 8y = -32$

12. $4x + 5y = -37$
    $4x + 10y = -62$

13. $3x = -13 + y$
    $3y = 19 + 5x$

14. $3x = 9 + 2y$
    $8y = 19 + x$

15. $4x = -30 + 2y$
    $6y = 50 + 4x$

16. $4x = -19 + 5y$
    $10y = 32 + 2x$

17. $3x = -37 + 5y$
    $20y = 104 + x$

18. $4x = 15 + 3y$
    $12y = -27 + 5x$

19. $5x = 7 + 4y$
    $16y = -46 + 2x$

What is the solution of the system? Use elimination.

20. $5x + 7y = 32$
    $8x + 6y = 46$

21. $6x + 7y = 37$
    $9x + 2y = 47$

22. $5x + 8y = 42$
    $7x + 6y = 38$

23. $2x + 8y = 42$
    $3x + 10y = 53$

24. $8x + 4y = 28$
    $5x + 6y = 28$

25. $5x + 4y = 41$
    $7x + 10y = 75$

Solving Systems Elimination WS
Answer Section

1. (–4, –21)
2. (–1, –6)
3. (3, 7)
4. (2, –3)
5. (2, 4)
6. (–3, 5)
7. (1, –5)
8. (4, 3)
9. (–2, 3)
10. (–4, –1)
11. (–4, –3)
12. (–3, –5)
13. (–5, –2)
14. (5, 3)
15. (–5, 5)
16. (–1, 3)
17. (–4, 5)
18. (3, –1)
19. (–1, –3)
20. (5, 1)
21. (5, 1)
22. (2, 4)
23. (1, 5)
24. (2, 3)
25. (5, 4)