Solving Systems of Equations

No Calculator

1. What is solution to the system of equations: $x + 4y = 17 \quad x - 3y = 3$?
2. What is solution to the system of equations: $-4x - 3y = -51 \quad 5x - 3y = 30$?
3. What is the x value of the system of equations: $-4x - 5y = -19 \quad -2x + 4y = -16$?
4. What is the value of x+y, given the following systems of equations? $3x + 3y = 30\,, x - 5y = 4$
5. What is the value of x+y, given the following systems of equations? $-2x - 4y = 58,\ 2x - 3y = 12$
6. What is solution to the system of equations: $-3x - 4y = -5, \quad -5x - 4y = 13$?
7. What is the x value of the system of equations: $-2x - 3y = 40,\ -x - y = 15$?
8. What is the x value of the system of equations: $-5x - 3y = -16, 3x - 4y = 27$?
9. What is the value of x+y, given the following systems of equations? $-x - 3y = -33, -4x - 5y = -76$
10. What is the value of x+y, given the following systems of equations? $5x + 2y = 33,\ x + y = 6$
11. What is the value of x+y, given the following systems of equations? $-3x - 2y = -1, -x - 3y = -19$
12. What is solution to the system of equations: $4x + 5y = -18\ , -5x + y = 8$?
13. What is the x value of the system of equations: $4x + y = 14\ , -4x - 3y = -2$?
14. What is the value of x+y, given the following systems of equations? $4x - 4y = -12,\ x - y = -3$
15. What is the x value of the system of equations: $4x + 5y = 70,\ 4x - 4y = -20$?
16. What is the value of x+y, given the following systems of equations? $4x + 4y = -40,\ 3x - 4y = 12$
17. What is the value of x+y, given the following systems of equations? $2x + 3y = 4,\ 2x - y = 20$
18. What is solution to the system of equations: $4x - y = 9\,, -x + 4y = -6$?
19. What is solution to the system of equations: $x + y = 11,\ -5x + y = -19$?
20. What is solution to the system of equations: $3x + 2y = -16,\ x - 3y = -9$?
21. What is the x value of the system of equations: $4x + 5y = 0,\ 4x + 4y = 4$?
22. What is solution to the system of equations: $-4x - y = -28,\ -4x - y = -28$?
23. What is the x value of the system of equations: $-2x + 4y = -20,\ 4x + 4y = -56$?
24. What is the x value of the system of equations: $-2x + 4y = -40, -2x - 4y = 8$?

Answers

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