

# System of Equations

Use any method to solve the system of equations.

1.  $x + y = 4$   
 $2x + y = 5$

2.  $4x + 3y = 15$   
 $2x - 5y = 1$

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

4.  $5x + 2y = 0$   
 $3x + 5y = 0$

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

6.  $-x + 6y = 8$   
 $2x + 5y = 1$

7.  $3x - y = 6$   
 $x + 3y = 2$

8.  $x + y = 12$   
 $3x - 2y = 6$

9.  $2x - 5y = -2$   
 $3x - 7y = -3$

10.  $5x + 2y = -5$   
 $3x + 4y = 11$

11.  $3x - y = 11$   
 $2x + 5y = -4$

12.  $x - 4y = 8$   
 $3x + 7y = 5$

13.  $x - y = 5$   
 $x + y = 7$

14.  $3x + y = 4$   
 $x + y = 2$

15.  $x + 3y = 7$   
 $-2x + 3y = 22$

16.  $0.3x - 0.2y = 1.4$   
 $0.6x + 0.5y = 1.9$

17.  $0.2x + 0.3y = 0$   
 $0.3x + 0.4y = 0.1$

18.  $0.3x - 0.2y = 0.5$   
 $0.1y = 0.2x - 0.4$

19.  $7x - 2y = 0$   
 $2x + y = -11$

20.  $x = 3y + 1$   
 $2x + 5y = 13$

21.  $2x - y = -1$   
 $2x - 4y = 8$

22.  $2x + y = 4$   
 $2x + 3y = 0$

23.  $3x + 2y = 6$   
 $3x - 2y = 6$

24.  $x = 3y + 1$   
 $2x + 5y = 13$

25.  $5x + 2y = -9$   
 $2x - 7y = 12$

26.  $2x + 3y = 6$   
 $3x + y = 2$

27.  $x + y = 6$   
 $-x + y = -2$

28.  $4x + 3y = 11$   
 $5x - 3y = 7$

29.  $7x + 3y = -16$   
 $x - 2y = 5$

30.  $y = x + 2$   
 $x + y = 6$

# System of Equations - solutions

1. (1,3)
2. (3,1)
3. (1,1)
4. (0,0)
5. (2, -1)
6. (-2,1)
7. (2,0)
8. (6,6)
9. (-1,0)
10. (-3,5)
11. (3, -2)
12. (4, -1)
13. (6,1)
14. (1,1)
15. (-5,4)
16. (4, -1)
17. (3, -2)
18. (3,2)
19. (- 2, - 7)
20. (4,1)
21. (-2, -3)
- 22.(3, -2)
23. (2,0)
24. (4,1)
25. (-1, -2)
26. (0,2)
27. (4,2)
28. (2,1)
29. (- 1, - 3)
30. (2,4)