**Solve Without Calculator**

1. Use the method of substitution to solve each other of the pair of simultaneous equations:
2. x + y = 15 x - y = 3
3. x + y = 0 x - y = 2
4. 2x - y = 3 4x + y = 3
5. 2x - 9y = 9 5x + 2y = 27
6. x + 4y = -4 3y - 5x = -1
7. 2x - 3y = 2 x + 2y = 8
8. x + y = 7 2x - 3y = 9
9. 11y + 15x = -23 7y - 2x = 20
10. 5x - 6y = 2 6x - 5y = 9
11. Solve each other pair of equation given below using elimination method:
    1. x + 2y = -4 3x - 5y = -1
    2. 4x + 9y = 5 -5x + 3y = 8
    3. 9x - 6y = 12 4x + 6y = 14
    4. 2y - (3/x) = 12 5y + (7/x) = 1
    5. (3/x) + (2/y) = (9/xy) (9/x) + (4/y) = (21/xy)
    6. (4/y) + (3/x) = 8 (6/y) + (5/x) = 13
    7. 5x + (4/y) = 7 4x + (3/y) = 5
    8. x + y = 3 -3x + 2y = 1
    9. -3x + 2y = 5 4x + 5y = 2
12. Solve the following simultaneous equations:
    1. 3a + 4b = 43 -2a + 3b = 11
    2. 4x - 3y = 23 3x + 4y = 11
    3. 5x + (4/y) = 7 4x + (3/y) = 5
    4. 4/(p - 3) + 6/(q - 4) = 5 5/(p - 3) - 3/(q - 4) = 1
    5. (l/6) - (m/15) = 4 (l/3) - (m/12) = 19/4
    6. 3x + 2y = 8 4x + y = 9
    7. x - y = -1 2y + 3x = 12
    8. (3y/2) - (5x/3) = -2 (y/3) + (x/3) = 13/6
    9. x - y = 3 (x/3) + (y/2) = 6
    10. (2x/3) + (y/2) = -1 (-x/3) + y = 3
    11. 5x + 8y = 9 2x + 3y = 4
    12. 3 - 2(3a - 4b) = -59 (a - 3)/4 - (b - 4)/5 = 2¹/₁₀

For More question click -> <https://www.helpingwithmath.com/printables/worksheets/equations_expressions/8ee8-simultaneous-equation-generator01.htm>

NOTE: Un-Check Show First Answer

**Answers:**

* 1. x = 9, y = 6
  2. x = 1, y = -1
  3. x = 1, y = -1
  4. x = 261/49, y = 9/49
  5. x = -8/23, y = -21/23
  6. x = 4, y = 2
  7. x = 6, y = 1
  8. x = -3, y = 2
  9. x = 4, y = 3
  10. x = -2, y = -1
  11. x = -1, y = 1
  12. x = 2, y = 1
  13. x = -1/2, y = 3
  14. x = 3, y = 1
  15. x = 1/2, y = 2
  16. x = -1, y = 1/3
  17. x = 1, y = 2
  18. x = -21/23, y = 26/23
  19. a = 5, b = 7
  20. x = 5, y = -1
  21. x = -1, y = 1/3
  22. p = 5, q = 6
  23. l = -2, m = -65
  24. x = 2, y = 1
  25. x = 2, y = 3
  26. x = 141/38, y = 53/19
  27. x = 9, y = 6
  28. x = -3, y = 2
  29. x = 5, y = -2
  30. a = 5, b = -4