

משוואה ריבועית

נוסחת השורשים:

$$ax^2 + bx + c = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

1. $x^2 - 5x + 6 = 0$

2. $2x^2 - 5x + 3 = 0$

3. $x^2 - 6x + 9 = 0$

4. $-3x^2 - 20x = -7$

5. $x^2 - 8x + 12 = 0$

6. $x^2 - 6x + 10 = 0$

7. $12 - 19x = -5x^2$

8. $5y + 2 + 3y^2 = 0$

9. $64x^2 + 80x + 25 = 0$

10. $-4x^2 - 13 = -28x$

11. $100x^2 + 140x + 49 = 0$

12. $-6x^2 - 36x + 42 = 0$

13. $144x^2 - 216x + 81 = 0$

14. $6y^2 - 11y + 4 = 0$

15. $-33x^2 - 129x + 12 = 0$

16. $56x^2 - 168x + 126 = 0$

17. $-x^2 - x + 12 = 0$

18. $-9x - 7x^2 + 6 = 0$

19. $15 - 27y - 54y^2 = 0$

20. $6y^2 - y - 5 = 0$

21. $(x + 4)^2 - x(x + 4) = 0$

22. $(x - 3)^2 = x(x + 3)$

23. $(2x - 1)^2 = 2x^2 - 1$

24. $\frac{1}{2} + \frac{5}{x-4} = 0$

25. $\frac{2}{x+1} = \frac{3x+1}{5(x+1)}$

26. $\frac{1}{2x-3} - \frac{x}{x-1} = -1$

27. $\frac{1}{x+1} + \frac{1}{x-1} = \frac{2}{x+2}$

28. $6(1 - 4x) - \frac{(2x-1)^2}{2} = 16$

29. $\frac{4x+12}{x-3} - \frac{-2}{2x+3} = 0$

30. $\frac{1}{x-3} + \frac{1}{x+3} = \frac{8}{7}$

31. $\frac{1}{y+6} + \frac{8}{y-6} = 4.5$

32. $\frac{3x-5}{5} + \frac{1-x}{4} = \frac{1}{x-4}$

33. $\frac{2x-1}{3} + \frac{1-3x}{7} = \frac{1}{x-4}$

34. $\frac{1}{x} + \frac{2}{x+4} = \frac{5}{6}$