

ПРАКТИКУМ ПО РЕШЕНИЮ КВАДРАТНЫХ УРАВНЕНИЙ

$ax^2 + bx + c = 0$

1. $x^2 - 2x - 3 = 0$;
2. $x(3x + 5) = 8$;
3. $(5x - 1)(2x + 4) = 0$;
4. $2x^2 - x = 5$;
5. $x^2 - 10x + 25 = 0$;
6. $3x^2 + 2x + 15 = 0$;
7. $x^2 + 40x - 41 = 0$;
8. $2x^2 + 7x - 4 = 0$;
9. $x(2x - 3) = 35$;
10. $(2x - 17)(12 - 4x) = 0$;
11. $x^2 + 2 = 4x$;
12. $4x^2 + 12x + 9 = 0$;
13. $x^2 - x + 7 = 0$;
14. $x^2 + 80x - 164 = 0$;
15. $3x^2 - 5x - 2 = 0$;
16. $x(5 - x) = 6$;
17. $(x + 7)(13 + 2x) = 0$;
18. $2x^2 + 7x + 2 = 0$;
19. $x^2 - 26x + 169 = 0$;
20. $15x^2 = 2x - 4$;
21. $x^2 - 420 = 16x$;
22. $20 + 3x - 2x^2 = 0$;
23. $(2 - 3x)x = -8$;
24. $(4x - 3)(5 - 2x) = 0$;
25. $5x^2 - x - 15 = 0$;
26. $49x^2 + 1 = 14x$;
27. $x^2 - 3x + 42 = 0$;
28. $14x^2 - 41x - 3 = 0$;
29. $35 = 3x^2 + 16x$;
30. $(5x - 4)x = 105$;
31. $(1 - 3x)(5x + 17) = 0$;
32. $7x^2 + 3x - 9 = 0$;
33. $6x - 1 - 9x^2 = 0$;
34. $4x^2 + x + 1 = 0$;
35. $10x^2 - 20190x - 20200 = 0$.

$ax^2 + bx = 0$

1. $x^2 - 3x = 0$;
2. $14x^2 + 28x = 0$;
3. $15x - 5x^2 = 0$;
4. $7x = 2x^2$;
5. $x(2x - 4) = 0$;
6. $2x^2 - 17x = 0$;
7. $3x^2 + 14x = 0$;
8. $12x - 9x^2 = 0$;
9. $x^2 = x$;
10. $4x(5x + 5) = 0$;
11. $3x^2 - 15x = 0$;
12. $x^2 + x = 0$;
13. $10x - 42x^2 = 0$;
14. $14x^2 = 7x$;
15. $2x(3 - 6x) = 0$;
16. $4x^2 - 13x = 0$;
17. $2x^2 + 21x = 0$;
18. $3x - 21x^2 = 0$;
19. $x^2 = -7x$;
20. $101x(3 - x) = 0$;
21. $x^2 - 16x = 0$;
22. $2x^2 + x = 0$;
23. $5x - 2x^2 = 0$;
24. $6x = x^2$;
25. $x(4x - 17) = 0$;
26. $x^2 - 9x = 0$;
27. $2x^2 + 22x = 0$;
28. $4x - 9x^2 = 0$;
29. $5x = -x^2$;
30. $3x(x - 1) = 0$;
31. $8x^2 - 24x = 0$;
32. $32x^2 + 64x = 0$;
33. $12x - 42x^2 = 0$;
34. $x^2 = 202x$;
35. $10x(2 - 3x) = 0$.

$ax^2 + c = 0$

1. $x^2 - 25 = 0$;
2. $2x^2 - 8 = 0$;
3. $x^2 - 5 = 0$;
4. $4x^2 - 3 = 0$;
5. $3x^2 + 4 = 0$;
6. $x^2 - 64 = 0$;
7. $52 - 13x^2 = 0$;
8. $x^2 - 12 = 0$;
9. $2x^2 - 25 = 0$;
10. $x^2 + 36 = 0$;
11. $x^2 = 100$;
12. $7x^2 - 28 = 0$;
13. $14 - x^2 = 0$;
14. $36x^2 - 5 = 0$;
15. $17 + x^2 = 0$;
16. $x^2 - 169 = 0$;
17. $3x^2 - 108 = 0$;
18. $x^2 - 113 = 0$;
19. $5x^2 - 3 = 0$;
20. $6x^2 + 24 = 0$;
21. $676 - x^2 = 0$;
22. $3x^2 - 363 = 0$;
23. $x^2 - 42 = 0$;
24. $32x^2 - 7 = 0$;
25. $x^2 = -49$;
26. $x^2 = 441$;
27. $12x^2 - 48 = 0$;
28. $27 - x^2 = 0$;
29. $8x^2 - 7 = 0$;
30. $x^2 + 9 = 0$;
31. $x^2 - 324 = 0$;
32. $100 = 4x^2$;
33. $x^2 - 68 = 0$;
34. $13x^2 - 64 = 0$;
35. $2x^2 + 50 = 0$.