

1. 二次方程式（因数分解できるもの）その1

次の二次方程式の解を求めましょう。

(1) $x^2 - 3x + 2 = 0$

(2) $9x^2 - 14x + 5 = 0$

(3) $10x^2 - 11x + 3 = 0$

(4) $-x^2 - 10x - 9 = 0$

(5) $-6x^2 - 5x - 1 = 0$

(6) $8x^2 + 19x + 11 = 0$

(7) $-5x^2 - 17x - 14 = 0$

(8) $-2x^2 + 7x - 6 = 0$

(9) $10x^2 - 19x + 9 = 0$

(10) $-7x^2 - 15x - 8 = 0$

(11) $3x^2 - 13x + 12 = 0$

(12) $6x^2 + 17x + 10 = 0$

(13) $8x^2 + 13x + 5 = 0$

(14) $-3x^2 + x + 4 = 0$

2. 二次方程式（因数分解できるもの）その2

次の二次方程式の解を求めましょう。

(1) $7x^2 + 5x - 2 = 0$

(2) $-5x^2 - 2x + 3 = 0$

(3) $-2x^2 + 3x - 1 = 0$

(4) $x^2 - 9x + 14 = 0$

(5) $x^2 + 9x + 20 = 0$

(6) $3x^2 + 14x + 11 = 0$

(7) $5x^2 + 6x + 1 = 0$

(8) $-3x^2 - 17x - 20 = 0$

(9) $3x^2 - 11x + 6 = 0$

(10) $-10x^2 + 17x - 6 = 0$

(11) $-2x^2 - 7x - 5 = 0$

(12) $-3x^2 - 2x + 5 = 0$

(13) $-2x^2 + 3x - 1 = 0$

(14) $9x^2 + 15x + 4 = 0$

3. 二次方程式（因数分解できるもの）その3

次の二次方程式の解を求めましょう。

(1) $4x^2 - x - 3 = 0$

(2) $x^2 + 9x + 20 = 0$

(3) $-3x^2 + 8x - 4 = 0$

(4) $-2x^2 - 3x + 9 = 0$

(5) $-8x^2 + 19x - 11 = 0$

(6) $4x^2 + 17x + 13 = 0$

(7) $-9x^2 + 14x - 5 = 0$

(8) $5x^2 + 16x + 11 = 0$

(9) $5x^2 - 8x + 3 = 0$

(10) $-8x^2 - 17x - 9 = 0$

(11) $-3x^2 - 13x - 12 = 0$

(12) $-5x^2 + x + 4 = 0$

(13) $x^2 + 12x + 20 = 0$

(14) $-x^2 + 7x + 8 = 0$

4. 二次方程式（因数分解できるもの）その4

次の二次方程式の解を求めましょう。

(1) $2x^2 + 13x + 18 = 0$

(2) $3x^2 - 5x + 2 = 0$

(3) $-2x^2 + 3x - 1 = 0$

(4) $-8x^2 - 19x - 11 = 0$

(5) $-10x^2 - 3x + 1 = 0$

(6) $4x^2 - 7x + 3 = 0$

(7) $-10x^2 - 17x - 6 = 0$

(8) $-5x^2 - 9x - 4 = 0$

(9) $-x^2 + 9x - 20 = 0$

(10) $-5x^2 - 8x - 3 = 0$

(11) $5x^2 - 12x + 7 = 0$

(12) $7x^2 + 16x + 9 = 0$

(13) $3x^2 + 13x + 14 = 0$

(14) $2x^2 + 5x - 7 = 0$

5. 二次方程式（因数分解できるもの）その5

次の二次方程式の解を求めましょう。

(1) $-x^2 + 6x - 5 = 0$

(2) $-5x^2 + 17x - 14 = 0$

(3) $-5x^2 + 14x - 8 = 0$

(4) $6x^2 + x - 2 = 0$

(5) $-3x^2 + 2x + 1 = 0$

(6) $-3x^2 - 7x - 4 = 0$

(7) $-3x^2 - 14x - 16 = 0$

(8) $2x^2 - 11x + 15 = 0$

(9) $-6x^2 - 19x - 13 = 0$

(10) $-x^2 + 12x - 20 = 0$

(11) $-x^2 - x + 6 = 0$

(12) $4x^2 - 15x + 9 = 0$

(13) $2x^2 - 9x + 7 = 0$

(14) $-5x^2 - 17x - 12 = 0$

6. 二次方程式（因数分解できるもの）その6

次の二次方程式の解を求めましょう。

(1) $3x^2 - 5x - 2 = 0$

(2) $6x^2 + 11x + 3 = 0$

(3) $-6x^2 + 13x - 6 = 0$

(4) $9x^2 - 18x + 8 = 0$

(5) $-3x^2 + 7x - 4 = 0$

(6) $3x^2 - 11x + 10 = 0$

(7) $x^2 + 9x + 14 = 0$

(8) $-2x^2 - 3x - 1 = 0$

(9) $7x^2 - 12x + 5 = 0$

(10) $3x^2 + 10x + 7 = 0$

(11) $-x^2 + 6x - 5 = 0$

(12) $-x^2 - 9x - 20 = 0$

(13) $-2x^2 + 13x - 15 = 0$

(14) $5x^2 - 13x + 8 = 0$

7. 二次方程式（因数分解できるもの）その7

次の二次方程式の解を求めましょう。

(1) $10x^2 + 19x + 9 = 0$

(2) $2x^2 - 5x + 3 = 0$

(3) $-x^2 + 5x - 6 = 0$

(4) $-2x^2 - 3x - 1 = 0$

(5) $x^2 + 3x + 2 = 0$

(6) $-x^2 + 4x - 3 = 0$

(7) $-5x^2 - 17x - 14 = 0$

(8) $-2x^2 - x + 1 = 0$

(9) $4x^2 + 11x + 7 = 0$

(10) $-x^2 - 4x + 5 = 0$

(11) $2x^2 - 7x + 6 = 0$

(12) $-3x^2 + 14x - 11 = 0$

(13) $-3x^2 + 10x - 8 = 0$

(14) $5x^2 - 14x + 8 = 0$

8. 二次方程式（因数分解できるもの）その8

次の二次方程式の解を求めましょう。

(1) $9x^2 - 11x + 2 = 0$

(2) $-3x^2 + 8x - 4 = 0$

(3) $4x^2 + 16x + 15 = 0$

(4) $7x^2 - 8x + 1 = 0$

(5) $-5x^2 - 2x + 3 = 0$

(6) $-3x^2 + 17x - 20 = 0$

(7) $4x^2 - 3x - 1 = 0$

(8) $-10x^2 - 13x - 3 = 0$

(9) $-2x^2 - 7x - 6 = 0$

(10) $5x^2 - 16x + 12 = 0$

(11) $-x^2 + 3x - 2 = 0$

(12) $7x^2 + 11x + 4 = 0$

(13) $-x^2 - 9x - 14 = 0$

(14) $x^2 - 4x - 12 = 0$

9. 二次方程式（因数分解できるもの）その9

次の二次方程式の解を求めましょう。

(1) $-3x^2 - 14x - 16 = 0$

(2) $-3x^2 + 16x - 20 = 0$

(3) $3x^2 + 7x + 2 = 0$

(4) $-10x^2 - 13x - 3 = 0$

(5) $6x^2 - 5x + 1 = 0$

(6) $-3x^2 - 11x - 6 = 0$

(7) $10x^2 - 19x + 7 = 0$

(8) $-x^2 + x + 20 = 0$

(9) $-4x^2 + 11x - 7 = 0$

(10) $-8x^2 - 6x - 1 = 0$

(11) $-4x^2 + 13x - 10 = 0$

(12) $x^2 - 7x + 10 = 0$

(13) $4x^2 + 16x + 15 = 0$

(14) $3x^2 + 10x + 8 = 0$

10. 二次方程式（解の公式を使うもの）その1

次の二次方程式の解を求めましょう。

(1) $-4x^2 - 20x - 17 = 0$

(2) $-5x^2 + 8x - 1 = 0$

(3) $-5x^2 - 12x - 6 = 0$

(4) $-4x^2 - 14x + 17 = 0$

(5) $-3x^2 + 10x + 5 = 0$

(6) $-8x^2 + 4x + 3 = 0$

(7) $-4x^2 - 4x + 1 = 0$

(8) $9x^2 + 18x - 1 = 0$

(9) $-4x^2 - 6x + 9 = 0$

(10) $-3x^2 + 16x - 8 = 0$

(11) $2x^2 - 8x + 5 = 0$

(12) $-x^2 + 3x + 1 = 0$

(13) $-5x^2 + 12x + 12 = 0$

(14) $-4x^2 + 4x + 7 = 0$

11. 二次方程式（解の公式を使うもの）その2

次の二次方程式の解を求めましょう。

(1) $-3x^2 - 12x - 11 = 0$

(2) $-x^2 - 3x - 1 = 0$

(3) $-2x^2 - 8x - 5 = 0$

(4) $-10x^2 - 14x + 5 = 0$

(5) $5x^2 + 20x + 2 = 0$

(6) $-x^2 - x + 1 = 0$

(7) $9x^2 + 12x - 10 = 0$

(8) $-5x^2 - 10x + 13 = 0$

(9) $-3x^2 + 2x + 4 = 0$

(10) $9x^2 - 6x - 17 = 0$

(11) $4x^2 + 8x + 1 = 0$

(12) $-3x^2 + 4x + 2 = 0$

(13) $-3x^2 + 20x - 20 = 0$

(14) $4x^2 - 8x - 9 = 0$

12. 二次方程式（解の公式を使うもの）その3

次の二次方程式の解を求めましょう。

(1) $3x^2 - 6x - 1 = 0$

(2) $-5x^2 - 20x - 12 = 0$

(3) $5x^2 + 12x - 18 = 0$

(4) $-8x^2 - 12x + 1 = 0$

(5) $4x^2 + 6x - 9 = 0$

(6) $x^2 + x - 3 = 0$

(7) $-3x^2 + 20x - 16 = 0$

(8) $3x^2 + 8x + 3 = 0$

(9) $-5x^2 - 20x - 12 = 0$

(10) $3x^2 + 12x + 10 = 0$

(11) $-5x^2 - 18x - 15 = 0$

(12) $7x^2 - 2x - 7 = 0$

(13) $-5x^2 + 15x + 1 = 0$

(14) $7x^2 + 4x - 1 = 0$

13. 二次方程式（解の公式を使うもの）その4

次の二次方程式の解を求めましょう。

(1) $-6x^2 - 12x - 5 = 0$

(2) $-7x^2 - 10x - 2 = 0$

(3) $-x^2 + 5x + 5 = 0$

(4) $7x^2 + 8x - 8 = 0$

(5) $-6x^2 + 2x + 1 = 0$

(6) $7x^2 - 12x - 18 = 0$

(7) $-9x^2 + 12x + 16 = 0$

(8) $3x^2 + 7x + 3 = 0$

(9) $-9x^2 - 6x + 7 = 0$

(10) $-5x^2 - 10x + 4 = 0$

(11) $4x^2 + 4x - 1 = 0$

(12) $9x^2 - x - 9 = 0$

(13) $5x^2 - 2x - 2 = 0$

(14) $-3x^2 + 6x + 5 = 0$

14. 二次方程式（解の公式を使うもの）その5

次の二次方程式の解を求めましょう。

(1) $-5x^2 - 6x + 3 = 0$

(2) $2x^2 - 14x - 13 = 0$

(3) $3x^2 + 18x + 11 = 0$

(4) $-x^2 + 3x - 1 = 0$

(5) $-7x^2 - 16x - 2 = 0$

(6) $7x^2 - 6x - 5 = 0$

(7) $2x^2 + 14x + 19 = 0$

(8) $-x^2 - 9x + 11 = 0$

(9) $7x^2 + 12x - 18 = 0$

(10) $-x^2 - 17x - 11 = 0$

(11) $5x^2 - 4x - 8 = 0$

(12) $-4x^2 - 14x + 17 = 0$

(13) $2x^2 + 4x + 1 = 0$

(14) $-6x^2 + 6x + 11 = 0$

15. 二次方程式（解の公式を使うもの）その6

次の二次方程式の解を求めましょう。

(1) $-9x^2 + 12x + 4 = 0$

(2) $-7x^2 - 16x - 8 = 0$

(3) $-7x^2 - 6x + 17 = 0$

(4) $4x^2 + 4x - 11 = 0$

(5) $2x^2 - 4x - 7 = 0$

(6) $-4x^2 - 20x - 15 = 0$

(7) $-2x^2 + 2x + 1 = 0$

(8) $-2x^2 - 12x + 7 = 0$

(9) $3x^2 - 6x - 5 = 0$

(10) $-8x^2 - 8x + 5 = 0$

(11) $x^2 + 7x + 11 = 0$

(12) $4x^2 + 4x - 9 = 0$

(13) $-9x^2 - 14x + 14 = 0$

(14) $-5x^2 + 14x - 1 = 0$

16. 二次方程式（解の公式を使うもの）その7

次の二次方程式の解を求めましょう。

(1) $-5x^2 - 12x + 18 = 0$

(2) $2x^2 - 4x - 5 = 0$

(3) $4x^2 + 16x + 3 = 0$

(4) $-4x^2 - 20x - 17 = 0$

(5) $3x^2 + 20x - 20 = 0$

(6) $5x^2 - 18x + 15 = 0$

(7) $8x^2 - 8x - 3 = 0$

(8) $7x^2 + 2x - 1 = 0$

(9) $2x^2 - 6x + 1 = 0$

(10) $-3x^2 - 14x - 14 = 0$

(11) $-4x^2 - 20x + 3 = 0$

(12) $5x^2 + 8x + 2 = 0$

(13) $8x^2 + 20x - 1 = 0$

(14) $-3x^2 + 10x + 5 = 0$

17. 二次方程式（解の公式を使うもの）その8

次の二次方程式の解を求めましょう。

(1) $2x^2 + 4x - 5 = 0$

(2) $-7x^2 + 18x + 17 = 0$

(3) $5x^2 - 18x - 9 = 0$

(4) $7x^2 - 20x + 8 = 0$

(5) $6x^2 + 8x + 1 = 0$

(6) $x^2 - 5x + 3 = 0$

(7) $9x^2 - 14x - 7 = 0$

(8) $5x^2 + 4x - 10 = 0$

(9) $-3x^2 - 8x - 2 = 0$

(10) $9x^2 + 6x - 13 = 0$

(11) $-3x^2 + 10x - 5 = 0$

(12) $4x^2 + 12x + 3 = 0$

(13) $-5x^2 - 5x + 11 = 0$

(14) $8x^2 + 8x - 7 = 0$

18. 二次方程式（解の公式を使うもの）その9

次の二次方程式の解を求めましょう。

(1) $5x^2 - 14x + 1 = 0$

(2) $-5x^2 + 6x + 9 = 0$

(3) $-x^2 + 5x - 3 = 0$

(4) $2x^2 - 8x + 7 = 0$

(5) $5x^2 + 10x + 4 = 0$

(6) $2x^2 + 20x + 1 = 0$

(7) $-9x^2 + 4x + 12 = 0$

(8) $-5x^2 + 18x - 5 = 0$

(9) $x^2 - 7x + 11 = 0$

(10) $-3x^2 + 12x - 4 = 0$

(11) $3x^2 + 7x + 3 = 0$

(12) $-9x^2 - 6x + 19 = 0$

(13) $-5x^2 + 20x - 16 = 0$

(14) $-9x^2 - 12x + 2 = 0$

19. 二次方程式（まとめ）その1

次の二次方程式の解を求めましょう。

(1) $4x^2 - 5x + 1 = 0$

(2) $-3x^2 - 2x + 13 = 0$

(3) $-8x^2 + 14x - 5 = 0$

(4) $-5x^2 + 4x + 4 = 0$

(5) $3x^2 - x - 1 = 0$

(6) $5x^2 - 13x + 6 = 0$

(7) $x^2 - 3x + 2 = 0$

(8) $9x^2 - 15x + 5 = 0$

(9) $-x^2 - 12x - 20 = 0$

(10) $-x^2 + 3x + 4 = 0$

(11) $3x^2 - 2x - 1 = 0$

(12) $5x^2 - 16x + 10 = 0$

(13) $-7x^2 + 15x - 8 = 0$

(14) $8x^2 + 8x - 3 = 0$

20. 二次方程式（まとめ）その2

次の二次方程式の解を求めましょう。

(1) $-4x^2 - 7x - 3 = 0$

(2) $x^2 - 6x + 8 = 0$

(3) $-10x^2 + 17x - 6 = 0$

(4) $-5x^2 - 16x - 12 = 0$

(5) $x^2 + 15x - 5 = 0$

(6) $-x^2 + 8x - 7 = 0$

(7) $4x^2 - 17x + 13 = 0$

(8) $x^2 + 9x + 9 = 0$

(9) $4x^2 - 4x - 9 = 0$

(10) $10x^2 - 19x + 9 = 0$

(11) $-5x^2 - 18x - 13 = 0$

(12) $5x^2 + 10x + 3 = 0$

(13) $-3x^2 - 8x - 5 = 0$

(14) $8x^2 + 9x + 1 = 0$

21. 二次方程式（まとめ）その3

次の二次方程式の解を求めましょう。

(1) $10x^2 + x - 2 = 0$

(2) $5x^2 - 13x + 6 = 0$

(3) $-3x^2 - 16x - 4 = 0$

(4) $-4x^2 - 7x - 3 = 0$

(5) $2x^2 + 13x + 11 = 0$

(6) $-7x^2 + 15x - 8 = 0$

(7) $x^2 - 7x - 17 = 0$

(8) $-5x^2 - 10x + 11 = 0$

(9) $3x^2 - 14x + 16 = 0$

(10) $2x^2 + 18x - 9 = 0$

(11) $2x^2 + 11x + 14 = 0$

(12) $3x^2 + 5x + 2 = 0$

(13) $-x^2 + 7x - 10 = 0$

(14) $6x^2 + 17x + 10 = 0$

22. 二次方程式（まとめ）その4

次の二次方程式の解を求めましょう。

(1) $-2x^2 - 2x + 3 = 0$

(2) $-2x^2 - 14x - 19 = 0$

(3) $-5x^2 - 4x + 4 = 0$

(4) $6x^2 + 19x + 15 = 0$

(5) $-7x^2 - 12x - 5 = 0$

(6) $9x^2 - 12x - 8 = 0$

(7) $-x^2 + 3x - 2 = 0$

(8) $x^2 + 2x - 3 = 0$

(9) $-6x^2 + 4x + 1 = 0$

(10) $-6x^2 - 19x - 14 = 0$

(11) $-2x^2 + 9x - 9 = 0$

(12) $-x^2 + 5x - 3 = 0$

(13) $3x^2 + 10x + 7 = 0$

(14) $-5x^2 + 10x - 4 = 0$

23. 二次方程式（まとめ）その5

次の二次方程式の解を求めましょう。

(1) $9x^2 + 20x - 12 = 0$

(2) $-5x^2 + 11x - 6 = 0$

(3) $7x^2 - 15x + 8 = 0$

(4) $7x^2 + 16x + 2 = 0$

(5) $9x^2 - 4x - 19 = 0$

(6) $-9x^2 + 15x - 4 = 0$

(7) $-2x^2 + 7x + 4 = 0$

(8) $3x^2 - 6x + 1 = 0$

(9) $9x^2 - 18x - 5 = 0$

(10) $-3x^2 - 13x - 13 = 0$

(11) $-2x^2 - x + 1 = 0$

(12) $-2x^2 - 8x - 1 = 0$

(13) $-6x^2 - 13x - 5 = 0$

(14) $x^2 - 6x - 7 = 0$

24. 二次方程式（まとめ）その6

次の二次方程式の解を求めましょう。

(1) $-5x^2 - 20x - 18 = 0$

(2) $-x^2 + 3x - 2 = 0$

(3) $-9x^2 + 19x - 10 = 0$

(4) $-x^2 + 3x + 1 = 0$

(5) $x^2 + 7x - 17 = 0$

(6) $2x^2 + 12x - 7 = 0$

(7) $8x^2 - 4x - 1 = 0$

(8) $x^2 - 3x + 2 = 0$

(9) $-5x^2 + 8x - 3 = 0$

(10) $-5x^2 + 16x - 10 = 0$

(11) $-9x^2 - 18x + 19 = 0$

(12) $-9x^2 + x + 9 = 0$

(13) $6x^2 - 5x - 1 = 0$

(14) $3x^2 + 12x - 13 = 0$

25. 二次方程式（まとめ）その7

次の二次方程式の解を求めましょう。

(1) $-2x^2 + 13x - 15 = 0$

(2) $2x^2 - 7x + 6 = 0$

(3) $-7x^2 + 15x - 8 = 0$

(4) $9x^2 - 14x - 7 = 0$

(5) $-x^2 + 9x - 20 = 0$

(6) $2x^2 - 13x + 15 = 0$

(7) $4x^2 + 2x - 3 = 0$

(8) $2x^2 - 4x - 1 = 0$

(9) $-5x^2 - 19x - 14 = 0$

(10) $-2x^2 - 9x - 9 = 0$

(11) $-3x^2 + 10x + 9 = 0$

(12) $7x^2 + 17x + 10 = 0$

(13) $4x^2 - x - 5 = 0$

(14) $-3x^2 + 4x + 2 = 0$

26. 二次方程式（まとめ）その8

次の二次方程式の解を求めましょう。

(1) $5x^2 + 20x + 12 = 0$

(2) $9x^2 - 10x + 1 = 0$

(3) $8x^2 + 12x + 1 = 0$

(4) $-4x^2 - 14x + 17 = 0$

(5) $6x^2 + 11x + 3 = 0$

(6) $x^2 + x - 1 = 0$

(7) $3x^2 - 8x + 5 = 0$

(8) $3x^2 - 8x + 3 = 0$

(9) $-x^2 - 7x - 12 = 0$

(10) $-3x^2 - 16x - 20 = 0$

(11) $7x^2 + 6x - 5 = 0$

(12) $-2x^2 + 4x + 7 = 0$

(13) $5x^2 + 10x - 4 = 0$

(14) $4x^2 - 16x + 13 = 0$

27. 二次方程式（まとめ）その9

次の二次方程式の解を求めましょう。

(1) $-5x^2 + 9x - 4 = 0$

(2) $-3x^2 - 14x + 1 = 0$

(3) $-9x^2 + 18x - 2 = 0$

(4) $9x^2 + 20x + 11 = 0$

(5) $9x^2 - 18x - 5 = 0$

(6) $-7x^2 + 10x - 3 = 0$

(7) $2x^2 - 15x + 18 = 0$

(8) $-7x^2 - 9x - 2 = 0$

(9) $x^2 - 3x + 2 = 0$

(10) $9x^2 + 17x + 8 = 0$

(11) $-3x^2 + 2x + 4 = 0$

(12) $-2x^2 - 6x - 3 = 0$

(13) $5x^2 - 5x + 1 = 0$

(14) $-2x^2 - 13x - 18 = 0$