

二次方程式<複雑な二次方程式> No. 1

1. 次の方程式を解きなさい。

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

答. _____

(2) $2x(x + 1) = (x - 1)^2 + 20$

答. _____

(3) $\frac{1}{2}x^2 - x - 4 = 0$

答. _____

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

答. _____

(5) $-2x^2 + 12x + 80 = 0$

答. _____

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

答. _____

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

答. _____

(8) $x = \frac{3}{2} - \frac{2}{3}x^2$

答. _____

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

答. _____

(10) $x(x + 3) = 5x + 8$

答. _____

二次方程式＜複雑な二次方程式＞ No. 2

1. 次の方程式を解きなさい。

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

答. _____

(2) $-x^2 + 15x - 56 = 0$

答. _____

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

答. _____

(4) $4x^2 + 36x + 80 = 0$

答. _____

(5) $(x - 3)(x - 8) = 2(x - 9)$

答. _____

(6) $2(x^2 + 4x + 1) = x^2 - 11$

答. _____

(7) $\left(x - \frac{1}{3}\right)^2 - \frac{2}{3} = 0$

答. _____

(8) $x(x - 6) = 6 - 7x$

答. _____

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

答. _____

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

答. _____

二次方程式〈複雑な二次方程式〉 No. 3

1. 次の方程式を解きなさい。

(1) $-3x^2 - 33x + 36 = 0$

答. _____

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

答. _____

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

答. _____

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

答. _____

(5) $(3x + 2)(x - 1) = 22$

答. _____

(6) $5x^2 - 7 = (x - 3)(x + 2)$

答. _____

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

答. _____

(8) $x(x + 3) = 5x + 8$

答. _____

(9) $x = \frac{3}{2} - \frac{2}{3}x^2$

答. _____

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

答. _____

二次方程式<複雑な二次方程式> No. 4

1. 次の方程式を解きなさい。

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

答. _____

(2) $x^2 - \frac{x}{3} - \frac{2}{3} = 0$

答. _____

(3) $(x + 2)(x + 4) = 24$

答. _____

(4) $\frac{1}{6}x^2 = \frac{1}{3}x + \frac{1}{2}$

答. _____

(5) $-2x^2 + 12x + 80 = 0$

答. _____

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

答. _____

(7) $5x^2 + 15x - 50 = 0$

答. _____

(8) $x(x - 6) = 6 - 7x$

答. _____

(9) $x^2 - 16 = 0.6x^2 - 1.2x$

答. _____

(10) $(x - 3)(x - 8) = 2(x - 9)$

答. _____

二次方程式＜複雑な二次方程式＞ No. 5

1. 次の方程式を解きなさい。

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

答. _____

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

答. _____

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

答. _____

(4) $3x^2 = (x + 6)(x + 1)$

答. _____

(5) $x^2 - \frac{x}{3} - \frac{2}{3} = 0$

答. _____

(6) $-x^2 + 15x - 56 = 0$

答. _____

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

答. _____

(8) $3(x^2 - 5) = (x + 1)(x - 3)$

答. _____

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

答. _____

(10) $(x - 2)(x + 4) = 7$

答. _____