

## 二次方程式＜ $(ax \pm b)^2 = 0$ パターン＞ No.1の解答

1. 次の二次方程式を解きなさい。

(1)  $9x^2 - 24x + 16 = 0$

答.  $x = \frac{4}{3}$

(2)  $16x^2 + 24x + 9 = 0$

答.  $x = -\frac{3}{4}$

(3)  $25x^2 + 20x + 4 = 0$

答.  $x = -\frac{2}{5}$

(4)  $25x^2 - 30x + 9 = 0$

答.  $x = \frac{3}{5}$

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

答.  $x = \frac{1}{2}$

(6)  $9x^2 + 12x + 4 = 0$

答.  $x = -\frac{2}{3}$

(7)  $25x^2 - 40x + 16 = 0$

答.  $x = \frac{4}{5}$

(8)  $25x^2 - 50x + 25 = 0$

答.  $x = 1$

(9)  $16x^2 + 16x + 4 = 0$

答.  $x = -\frac{1}{2}$

(10)  $16x^2 - 24x + 9 = 0$

答.  $x = \frac{3}{4}$

## 二次方程式 $(ax \pm b)^2 = 0$ パターン > No.2 の解答

1. 次の二次方程式を解きなさい。

(1)  $16x^2 + 16x + 4 = 0$

答.  $x = -\frac{1}{2}$

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

答.  $x = \frac{1}{3}$

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

答.  $x = -\frac{1}{2}$

(4)  $4x^2 - 20x + 25 = 0$

答.  $x = \frac{5}{2}$

(5)  $9x^2 - 12x + 4 = 0$

答.  $x = \frac{2}{3}$

(6)  $25x^2 - 20x + 4 = 0$

答.  $x = \frac{2}{5}$

(7)  $4x^2 + 20x + 25 = 0$

答.  $x = -\frac{5}{2}$

(8)  $16x^2 + 40x + 25 = 0$

答.  $x = -\frac{5}{4}$

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

答.  $x = -\frac{2}{3}$

(10)  $25x^2 - 50x + 25 = 0$

答.  $x = 1$

二次方程式＜  $(ax \pm b)^2 = 0$  パターン＞ No.3の解答

1. 次の二次方程式を解きなさい。

(1)  $4x^2 - 16x + 16 = 0$

答.  $x = 2$

(2)  $25x^2 - 30x + 9 = 0$

答.  $x = \frac{3}{5}$

(3)  $25x^2 - 50x + 25 = 0$

答.  $x = 1$

(4)  $16x^2 - 32x + 16 = 0$

答.  $x = 1$

(5)  $4x^2 + 20x + 25 = 0$

答.  $x = -\frac{5}{2}$

(6)  $25x^2 + 30x + 9 = 0$

答.  $x = -\frac{3}{5}$

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

答.  $x = -\frac{1}{2}$

(8)  $25x^2 - 40x + 16 = 0$

答.  $x = \frac{4}{5}$

(9)  $16x^2 + 8x + 1 = 0$

答.  $x = -\frac{1}{4}$

(10)  $9x^2 + 30x + 25 = 0$

答.  $x = -\frac{5}{3}$

## 二次方程式＜ $(ax \pm b)^2 = 0$ パターン＞ No.4の解答

1. 次の二次方程式を解きなさい。

(1)  $16x^2 - 40x + 25 = 0$

答.  $x = \frac{5}{4}$

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

答.  $x = 2$

(3)  $25x^2 + 20x + 4 = 0$

答.  $x = -\frac{2}{5}$

(4)  $16x^2 - 24x + 9 = 0$

答.  $x = \frac{3}{4}$

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

答.  $x = 1$

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

答.  $x = 1$

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

答.  $x = \frac{1}{2}$

(8)  $9x^2 + 24x + 16 = 0$

答.  $x = -\frac{4}{3}$

(9)  $25x^2 - 30x + 9 = 0$

答.  $x = \frac{3}{5}$

(10)  $4x^2 + 4x + 1 = 0$

答.  $x = -\frac{1}{2}$

二次方程式＜  $(ax \pm b)^2 = 0$  パターン＞ No.5の解答

1. 次の二次方程式を解きなさい。

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

答.  $x = 1$

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

答.  $x = -\frac{1}{3}$

(3)  $9x^2 - 24x + 16 = 0$

答.  $x = \frac{4}{3}$

(4)  $16x^2 + 40x + 25 = 0$

答.  $x = -\frac{5}{4}$

(5)  $25x^2 + 10x + 1 = 0$

答.  $x = -\frac{1}{5}$

(6)  $25x^2 - 30x + 9 = 0$

答.  $x = \frac{3}{5}$

(7)  $9x^2 + 30x + 25 = 0$

答.  $x = -\frac{5}{3}$

(8)  $25x^2 - 10x + 1 = 0$

答.  $x = \frac{1}{5}$

(9)  $16x^2 + 24x + 9 = 0$

答.  $x = -\frac{3}{4}$

(10)  $4x^2 + 20x + 25 = 0$

答.  $x = -\frac{5}{2}$