

因数分解による解き方1

NO.1

名前

/10 点

1 次の方程式を解きなさい。

$$\textcircled{1} \quad x(x - 3) = 0$$

$$\textcircled{2} \quad (x + 3)(x - 6) = 0$$

$$\textcircled{3} \quad (x + 5)^2 = 0$$

$$\textcircled{4} \quad (x + 7)(x - 7) = 0$$

2 次の方程式を解きなさい。

$$\textcircled{1} \quad 2x^2 + 6x = 0$$

$$\textcircled{2} \quad x^2 + 6x + 9 = 0$$

$$\textcircled{3} \quad x^2 - 10x + 24 = 0$$

$$\textcircled{4} \quad x^2 + 5x - 36 = 0$$

$$\textcircled{5} \quad x^2 + 5x + 6 = 0$$

$$\textcircled{6} \quad x^2 - 8x + 7 = 0$$

$$\textcircled{7} \quad x^2 + 9x + 14 = 0$$

解答

1

① $x = 0, 3$

② $x = -3, 6$

③ $x = -5$

④ $x = \pm 7$

2

① $2x(x + 3) = 0$
 $x = 0, -3$

② $(x + 3)^2 = 0$
 $x = -3$

③ $(x - 4)(x - 6) = 0$
 $x = 4, 6$

④ $(x - 4)(x + 9) = 0$
 $x = 4, -9$

⑤ $(x + 2)(x + 3) = 0$
 $x = -2, -3$

⑥ $(x - 1)(x - 7) = 0$
 $x = 1, 7$

⑦ $(x + 2)(x + 7) = 0$
 $x = -2, -7$

