

## 因数分解による解き方1

NO.2

名前

/10 点

1 次の方程式を解きなさい。

$$\textcircled{1} \quad x(2x + 3) = 0$$

$$\textcircled{2} \quad (x - 3)(x + 4) = 0$$

$$\textcircled{3} \quad (x - 7)^2 = 0$$

$$\textcircled{4} \quad (x + 2)(x - 2) = 0$$

2 次の方程式を解きなさい。

$$\textcircled{1} \quad 3x^2 + 12x = 0$$

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

$$\textcircled{3} \quad x^2 - 7x - 18 = 0$$

$$\textcircled{4} \quad x^2 + 9x - 36 = 0$$

$$\textcircled{5} \quad x^2 + 8x + 12 = 0$$

$$\textcircled{6} \quad x^2 - 9x + 8 = 0$$

$$\textcircled{7} \quad x^2 + 8x + 15 = 0$$

## 解答

1

$$\textcircled{1} \quad x = 0, -\frac{3}{2}$$

$$\textcircled{2} \quad x = 3, -4$$

$$\textcircled{3} \quad x = 7$$

$$\textcircled{4} \quad x = \pm 2$$

2

$$\textcircled{1} \quad \begin{aligned} 3x(x+4) &= 0 \\ x &= 0, -4 \end{aligned}$$

$$\textcircled{2} \quad \begin{aligned} (x+1)^2 &= 0 \\ x &= -1 \end{aligned}$$

$$\textcircled{3} \quad \begin{aligned} (x+2)(x-9) &= 0 \\ x &= -2, 9 \end{aligned}$$

$$\textcircled{4} \quad \begin{aligned} (x-3)(x+12) &= 0 \\ x &= 3, -12 \end{aligned}$$

$$\textcircled{5} \quad \begin{aligned} (x+2)(x+6) &= 0 \\ x &= -2, -6 \end{aligned}$$

$$\textcircled{6} \quad \begin{aligned} (x-1)(x-8) &= 0 \\ x &= 1, 8 \end{aligned}$$

$$\textcircled{7} \quad \begin{aligned} (x+3)(x+5) &= 0 \\ x &= -3, -5 \end{aligned}$$

