

二次方程式 いろいろな計算 I

NO.2

名前

/6 点

◆次の方程式を解きなさい

$$(1) \quad x^2 + 13x = -40$$

$$(2) \quad x^2 - 12 = x$$

$$(3) \quad 9x = x^2$$

$$(4) \quad (x + 8)(x + 4) = -3$$

$$(5) \quad x(7 + x) = -10$$

$$(6) \quad (x + 8)(x + 5) = 6x + 34$$

解答

$$\begin{aligned}
 (1) \quad & x^2 + 13x + 40 = 0 \\
 & (x + 5)(x + 8) = 0 \\
 & x = -5, -8
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & x^2 - x - 12 = 0 \\
 & (x + 3)(x - 4) = 0 \\
 & x = -3, 4
 \end{aligned}$$

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

$$\begin{aligned}
 (4) \quad & x^2 + 12x + 32 + 3 = 0 \\
 & x^2 + 12x + 35 = 0 \\
 & (x + 7)(x + 5) = 0 \\
 & x = -7, -5
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & x^2 + 7x + 10 = 0 \\
 & (x + 2)(x + 5) = 0 \\
 & x = -2, -5
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & x^2 + 13x + 40 - 6x - 34 = 0 \\
 & x^2 + 7x + 6 = 0 \\
 & (x + 1)(x + 6) = 0 \\
 & x = -1, -6
 \end{aligned}$$