

二次方程式 いろいろな計算 I

NO.1

名前

/6 点

◆次の方程式を解きなさい

(1) $x^2 - 15x = -56$

(2) $x^2 - 8 = 2x$

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

(4) $(x + 7)(x - 3) = -9$

(5) $x(9 - x) = 20$

(6) $(x - 8)(x + 7) = 6x - 48$

解答

$$(1) \quad x^2 - 15x + 56 = 0$$
$$(x - 7)(x - 8) = 0$$
$$x = 7, 8$$

$$(2) \quad x^2 - 2x - 8 = 0$$
$$(x + 2)(x - 4) = 0$$
$$x = -2, 4$$

$$(3) \quad x^2 - 6x + 5 = 0$$
$$(x - 1)(x - 5) = 0$$
$$x = 1, 5$$

$$(4) \quad x^2 + 4x - 21 + 9 = 0$$
$$x^2 + 4x - 12 = 0$$
$$(x - 2)(x + 6) = 0$$
$$x = 2, -6$$

$$(5) \quad x^2 - 9x + 20 = 0$$
$$(x - 5)(x - 4) = 0$$
$$x = 5, 4$$

$$(6) \quad x^2 - 3x - 56 - 6x + 48 = 0$$
$$x^2 - 7x - 8 = 0$$
$$(x + 1)(x - 8) = 0$$
$$x = -1, 8$$