

氏名 () 点数 _____

$$(1) \quad -2x = 10$$
$$\quad \quad \underline{x = -5}$$

$$(2) \quad -2 - 3x = 4$$
$$\quad \quad -3x = 4 + 2$$
$$\quad \quad -3x = 6$$
$$\quad \quad \quad \underline{x = -2}$$

$$(3) \quad 3x - 2 = 6 - x$$
$$\quad \quad 3x + x = 6 + 2$$
$$\quad \quad \quad 4x = 8$$
$$\quad \quad \quad \underline{x = 2}$$

$$(4) \quad 8x - 4 - x = 12 + 3x$$
$$\quad \quad 8x - x - 3x = 12 + 4$$
$$\quad \quad \quad 4x = 16$$
$$\quad \quad \quad \underline{x = 4}$$

$$(5) \quad 2(x - 3) = -4(x + 6)$$
$$\quad \quad 2x - 6 = -4x - 24$$
$$\quad \quad 2x + 4x = -24 + 6$$
$$\quad \quad \quad 6x = -18$$
$$\quad \quad \quad \underline{x = -3}$$

$$(6) \quad -(x - 3) = -2(x - 4)$$
$$\quad \quad -x + 3 = -2x + 8$$
$$\quad \quad -x + 2x = 8 - 3$$
$$\quad \quad \quad \underline{x = 5}$$

$$(7) \quad 3x - (x + 5) = 2x - 5(x - 6)$$
$$\quad \quad 3x - x - 5 = 2x - 5x + 30$$
$$\quad \quad 3x - x - 2x + 5x = 30 + 5$$
$$\quad \quad \quad 5x = 35$$
$$\quad \quad \quad \underline{x = 7}$$

$$(8) \quad 3 - 4(x + 3) = 6x - 5(x - 6)$$
$$\quad \quad 3 - 4x - 12 = 6x - 5x + 30$$
$$\quad \quad -4x - 6x + 5x = 30 + 12 - 3$$
$$\quad \quad \quad -5x = 39$$
$$\quad \quad \quad \underline{x = -\frac{39}{5}}$$

$$(9) \quad -5(x - 6) + (x + 3) = 2x - 3(x - 6)$$
$$\quad \quad -5x + 30 + x + 3 = 2x - 3x + 18$$
$$\quad \quad -5x + x - 2x + 3x = 18 - 30 - 3$$
$$\quad \quad \quad -3x = -15$$
$$\quad \quad \quad \underline{x = 5}$$

$$(10) \quad -(4x - 1) - (x + 6) = 3x - 2(x - 4)$$
$$\quad \quad -4x + 1 - x - 6 = 3x - 2x + 8$$
$$\quad \quad -4x - x - 3x + 2x = 8 + 6 - 1$$
$$\quad \quad \quad -6x = 13$$
$$\quad \quad \quad \underline{x = -\frac{13}{6}}$$