

氏名 () 点数 _____

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

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

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

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

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

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

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

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

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

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