

氏名 () 点数 _____

$$(1) \quad -\frac{x}{3} = 6$$

$$-x = 18$$

$$\underline{x = -18}$$

$$(2) \quad \frac{x}{2} - \frac{x}{4} = 3$$

$$2x - x = 12$$

$$\underline{x = 12}$$

$$(3) \quad \frac{x}{5} - \frac{1}{2} = \frac{x}{2} + \frac{4}{5}$$

$$2x - 5 = 5x + 8$$

$$2x - 5x = 8 + 5$$

$$-3x = 13$$

$$\underline{x = -\frac{13}{3}}$$

$$(4) \quad \frac{1}{2}x + 5 = \frac{1}{3}x - 1$$

$$3x + 30 = 2x - 6$$

$$3x - 2x = -6 - 30$$

$$\underline{x = -36}$$

$$(5) \quad \frac{x}{4} - \frac{9x-3}{2} = -7$$

$$x - 2(9x-3) = -28$$

$$x - 18x + 6 = -28$$

$$x - 18x = -28 - 6$$

$$-17x = -34$$

$$\underline{x = 2}$$

$$(6) \quad \frac{1}{2}x + \frac{2}{3} = \frac{2x-1}{5} - 1$$

$$15x + 20 = 6(2x-1) - 30$$

$$15x + 20 = 12x - 6 - 30$$

$$15x - 12x = -6 - 30 - 20$$

$$3x = -56$$

$$\underline{x = -\frac{56}{3}}$$

$$(7) \quad \frac{x+5}{4} - \frac{2x-1}{5} = 1$$

$$5(x+5) - 4(2x-1) = 20$$

$$5x + 25 - 8x + 4 = 20$$

$$5x - 8x = 20 - 4 - 25$$

$$-3x = -9$$

$$\underline{x = 3}$$

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

$$3(3x+5) - 2(2x-3) = 36$$

$$9x + 15 - 4x + 6 = 36$$

$$9x - 4x = 36 - 6 - 15$$

$$5x = 15$$

$$\underline{x = 3}$$

$$(9) \quad -\frac{x-2}{4} = 3 - (x-5)$$

$$-(x-2) = 12 - 4(x-5)$$

$$-x + 2 = 12 - 4x + 20$$

$$-x + 4x = 12 + 20 - 2$$

$$3x = 30$$

$$\underline{x = 10}$$

$$(10) \quad \frac{x-2}{3} = \frac{5}{4} - \frac{x-5}{5} + \frac{x-5}{2}$$

$$20(x-2) = 5 \times 15 - 12(x-5) + 30(x-5)$$

$$20x - 40 = 75 - 12x + 60 + 30x - 150$$

$$20x + 12x - 30x = 75 + 60 - 150 + 40$$

$$2x = 25$$

$$\underline{x = \frac{25}{2}}$$