

氏名 () 点数 _____

$$\begin{aligned}
 (1) \quad & -3x - 2 = 8 - x \\
 & -3x + x = 8 + 2 \\
 & -2x = 10 \\
 & \underline{x = -5}
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & -2(x - 3) = -4(x + 6) \\
 & -2x + 6 = -4x - 24 \\
 & -2x + 4x = -24 - 6 \\
 & 2x = -30 \\
 & \underline{x = -15}
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 0.2x - 0.2 = 1.6 - 0.4x \\
 & 2x - 2 = 16 - 4x \\
 & 2x + 4x = 16 + 2 \\
 & 6x = 18 \\
 & \underline{x = 3}
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 0.24x - 0.04 = 0.12x + 0.56 \\
 & 24x - 4 = 12x + 56 \\
 & 24x - 12x = 56 + 4 \\
 & 12x = 60 \\
 & \underline{x = 5}
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & 0.3(1 + 9x) = 12(0.2x - 0.1) \\
 & 3(1 + 9x) = 12(2x - 1) \\
 & 3 + 27x = 24x - 12 \\
 & 27x - 24x = -12 - 3 \\
 & 3x = -15 \\
 & \underline{x = -5}
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & x + \frac{2}{3} = -\frac{x-1}{5} - 1 \\
 & 15x + 10 = -3(x-1) - 15 \\
 & 15x + 10 = -3x + 3 - 15 \\
 & 15x + 3x = 3 - 15 - 10 \\
 & 18x = -22 \\
 & x = -\frac{22}{18} \\
 & \underline{x = -\frac{11}{9}}
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & \frac{x-3}{4} - \frac{x-1}{5} = 1 \\
 & 5(x-3) - 4(x-1) = 20 \\
 & 5x - 15 - 4x + 4 = 20 \\
 & 5x - 4x = 20 - 4 + 15 \\
 & \underline{x = 31}
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & -\frac{3x+5}{2} - \frac{2x+3}{3} = 4 \\
 & -3(3x+5) - 2(2x+3) = 24 \\
 & -9x - 15 - 4x - 6 = 24 \\
 & -9x - 4x = 24 + 6 + 15 \\
 & -13x = 45 \\
 & \underline{x = -\frac{45}{13}}
 \end{aligned}$$

$$\begin{aligned}
 (9) \quad & \frac{x-3}{4} = 0.6 - (x-2) \\
 & \frac{x-3}{4} = \frac{3}{5} - x + 2 \\
 & 5(x-3) = 12 - 20x + 40 \\
 & 5x - 15 = 12 - 20x + 40 \\
 & 5x + 20x = 12 + 40 + 15 \\
 & 25x = 67 \\
 & \underline{x = \frac{67}{25}}
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & \frac{x-2}{3} - \frac{x-5}{2} = 0.75 - \frac{x-5}{5} \\
 & \frac{x-2}{3} - \frac{x-5}{2} = \frac{3}{4} - \frac{x-5}{5} \\
 & 20(x-2) - 30(x-5) = 3 \times 15 - 12(x-5) \\
 & 20x - 40 - 30x + 150 = 45 - 12x + 60 \\
 & 20x - 30x + 12x = 45 + 60 - 150 + 40 \\
 & 2x = -5 \\
 & \underline{x = -\frac{5}{2}}
 \end{aligned}$$