

数学科 方程式マスター E-⑥

()組()番 名前()

次の方程式を解きなさい。

① $-x - \frac{4}{9} = -\frac{2}{9}$

⑦ $-4x = -\frac{3}{5}$

② $x - \frac{1}{6} = \frac{5}{6}$

⑧ $2x = \frac{7}{5}$

③ $-x - \frac{9}{2} = -\frac{5}{4}$

⑨ $-\frac{x}{2} = -4$

④ $x + \frac{1}{3} = \frac{7}{6}$

⑩ $\frac{7}{3}x = -4$

⑤ $x - \frac{2}{3} = \frac{7}{4}$

⑪ $-\frac{x}{4} = \frac{3}{8}$

⑥ $-x + \frac{4}{3} = -\frac{5}{4}$

⑫ $\frac{7}{4}x = -\frac{1}{6}$

次の方程式を解きなさい。

① $-x - \frac{4}{9} = -\frac{2}{9}$

$$-x = -\frac{2}{9} + \frac{4}{9}$$

$$-x = \frac{2}{9}$$

$$x = -\frac{2}{9}$$

② $x - \frac{1}{6} = \frac{5}{6}$

$$x = \frac{5}{6} + \frac{1}{6}$$

$$x = \frac{6}{6}$$

$$x = 1$$

③ $-x - \frac{9}{2} = -\frac{5}{4}$

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

$$-4x + 18 = -5$$

$$-4x - 18 = -5$$

$$-4x = -5 + 18$$

$$-4x = 13$$

$$-4x \div (-4) = 13 \div (-4)$$

$$x = -\frac{13}{4}$$

④ $x + \frac{1}{3} = \frac{7}{6}$

$$6(x + \frac{1}{3}) = 6 \times \frac{7}{6}$$

$$6x + 2 = 7$$

$$6x + 2 = 7$$

$$6x = 7 - 2$$

$$6x = 5$$

$$6x \div 6 = 5 \div 6$$

$$x = \frac{5}{6}$$

⑤ $x - \frac{2}{3} = \frac{7}{4}$

$$12(x - \frac{2}{3}) = 12 \times \frac{7}{4}$$

$$12x - 8 = 21$$

$$12x - 8 = 21$$

$$12x = 21 + 8$$

$$12x = 29$$

$$12x \div 12 = 29 \div 12$$

$$x = \frac{29}{12}$$

⑥ $-x + \frac{4}{3} = -\frac{5}{4}$

$$12(-x + \frac{4}{3}) = 12 \times (-\frac{5}{4})$$

$$-12x + 16 = -15$$

$$-12x + 16 = -15$$

$$-12x = -15 - 16$$

$$-12x = -31$$

$$-12x \div (-12) = -31 \div (-12)$$

$$x = \frac{31}{12}$$

⑦ $-4x = -\frac{3}{5}$

$$-4x \times (-\frac{1}{4}) = -\frac{3}{5} \times (-\frac{1}{4})$$

$$x = \frac{3}{20}$$

⑧ $2x = \frac{7}{5}$

$$2x \times \frac{1}{2} = \frac{7}{5} \times \frac{1}{2}$$

$$x = \frac{7}{10}$$

⑨ $\frac{x}{2} = -4$

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

$$x = 8$$

⑩ $\frac{7}{3}x = -4$

$$\frac{7}{3}x \times \frac{3}{7} = -4 \times \frac{3}{7}$$

$$x = -\frac{12}{7}$$

⑪ $\frac{x}{4} = \frac{3}{8}$

$$\frac{x}{4} \times (-4) = \frac{3}{8} \times (-4)$$

$$x = -\frac{3}{2}$$

⑫ $\frac{7}{4}x = -\frac{1}{6}$

$$\frac{7}{4}x \times \frac{4}{7} = -\frac{1}{6} \times \frac{4}{7}$$

$$x = -\frac{2}{21}$$