

次の方程式を解きなさい。

① $-x + \frac{4}{9} = \frac{8}{9}$

② $x - \frac{3}{5} = -\frac{2}{5}$

③ $x + \frac{5}{2} = \frac{7}{8}$

④ $-x + \frac{7}{2} = -\frac{1}{6}$

⑤ $-x + \frac{5}{3} = \frac{7}{4}$

⑥ $x + \frac{2}{3} = \frac{9}{4}$

⑦ $-3x = \frac{6}{5}$

⑧ $2x = -\frac{7}{6}$

⑨ $\frac{x}{5} = 2$

⑩ $-\frac{7}{2}x = -8$

⑪ $-\frac{x}{3} = -\frac{8}{9}$

⑫ $\frac{5}{6}x = \frac{7}{4}$

次の方程式を解きなさい。

① $-x + \frac{4}{9} = \frac{8}{9}$

$$-x = \frac{8}{9} - \frac{4}{9}$$

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

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

② $x - \frac{3}{5} = -\frac{2}{5}$

$$x = -\frac{2}{5} + \frac{3}{5}$$

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

③ $x + \frac{5}{2} = \frac{7}{8}$

$$8(x + \frac{5}{2}) = 8 \times \frac{7}{8}$$

$$8x + 8 \times \frac{5}{2} = 7$$

$$8x + 20 = 7$$

$$8x = 7 - 20$$

$$8x = -13$$

$$8x \div 8 = -13 \div 8$$

$$x = -\frac{13}{8}$$

④ $-x + \frac{7}{2} = -\frac{1}{6}$

$$6(-x + \frac{7}{2}) = 6 \times (-\frac{1}{6})$$

$$-6x + 6 \times \frac{7}{2} = -1$$

$$-6x + 21 = -1$$

$$-6x = -1 - 21$$

$$-6x = -22$$

$$-6x \div (-6) = -22 \div (-6)$$

$$x = \frac{22}{6}$$

$$x = \frac{11}{3}$$

⑤ $-x + \frac{5}{3} = \frac{7}{4}$

$$12(-x + \frac{5}{3}) = 12 \times \frac{7}{4}$$

$$-12x + 12 \times \frac{5}{3} = 21$$

$$-12x + 20 = 21$$

$$-12x = 21 - 20$$

$$-12x = 1$$

$$-12x \div (-12) = 1 \div (-12)$$

$$x = -\frac{1}{12}$$

⑥ $x + \frac{2}{3} = \frac{9}{4}$

$$12(x + \frac{2}{3}) = 12 \times \frac{9}{4}$$

$$12x + 12 \times \frac{2}{3} = 27$$

$$12x + 8 = 27$$

$$12x = 27 - 8$$

$$12x = 19$$

$$12x \div 12 = 19 \div 12$$

$$x = \frac{19}{12}$$

⑦ $-3x = \frac{6}{5}$

$$-3x \times (-\frac{1}{3}) = \frac{6}{5} \times (-\frac{1}{3})$$

$$x = -\frac{2}{5}$$

⑧ $2x = -\frac{7}{6}$

$$2x \times \frac{1}{2} = -\frac{7}{6} \times \frac{1}{2}$$

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

⑨ $\frac{x}{5} = 2$

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

$$x = 10$$

⑩ $-\frac{7}{2}x = -8$

$$-\frac{7}{2}x \times (-\frac{2}{7}) = -8 \times (-\frac{2}{7})$$

$$x = \frac{16}{7}$$

⑪ $-\frac{x}{3} = -\frac{8}{9}$

$$-\frac{x}{3} \times (-3) = -\frac{8}{9} \times (-3)$$

$$x = \frac{8}{3}$$

⑫ $\frac{5}{6}x = \frac{7}{4}$

$$\frac{5}{6}x \times \frac{6}{5} = \frac{7}{4} \times \frac{6}{5}$$

$$x = \frac{21}{10}$$