

1 次の方程式を解きなさい。

$$\textcircled{1} \quad \frac{6x+2}{5} = \frac{5x+1}{4}$$

$$\textcircled{2} \quad \frac{1}{6}x+3 = \frac{1}{5}x+2$$

$$\textcircled{3} \quad \frac{5x+2}{3} = \frac{7x+2}{4}$$

$$\textcircled{4} \quad \frac{1}{2}x+2 = \frac{1}{4}x+3$$

$$\textcircled{5} \quad \frac{6x+4}{7} = \frac{5x+4}{6}$$

$$\textcircled{6} \quad \frac{1}{3}x+7 = \frac{3}{4}x+2$$

1 次の方程式を解きなさい。

$$\textcircled{1} \quad \frac{6x+2}{5} = \frac{5x+1}{4}$$

$$\left(\frac{6x+2}{\cancel{5}_1}\right) \times \overset{4}{20} = \left(\frac{5x+1}{\cancel{4}_1}\right) \times \overset{5}{20}$$

$$24x + 8 = 25x + 5$$

$$24x - 25x = 5 - 8$$

$$-x = -3$$

$$x = 3$$

$$\textcircled{2} \quad \frac{1}{6}x + 3 = \frac{1}{5}x + 2$$

$$\left(\frac{1}{6}x + 3\right) \times 30 = \left(\frac{1}{5}x + 2\right) \times 30$$

$$5x + 90 = 6x + 60$$

$$5x - 6x = 60 - 90$$

$$-x = -30$$

$$x = 30$$

$$\textcircled{3} \quad \frac{5x+2}{3} = \frac{7x+2}{4}$$

$$\left(\frac{5x+2}{\cancel{3}_1}\right) \times \overset{4}{12} = \left(\frac{7x+2}{\cancel{4}_1}\right) \times \overset{3}{12}$$

$$20x + 8 = 21x + 6$$

$$20x - 21x = 6 - 8$$

$$-x = -2$$

$$x = 2$$

$$\textcircled{4} \quad \frac{1}{2}x + 2 = \frac{1}{4}x + 3$$

$$\left(\frac{1}{2}x + 2\right) \times 4 = \left(\frac{1}{4}x + 3\right) \times 4$$

$$2x + 8 = x + 12$$

$$2x - x = 12 - 8$$

$$x = 4$$

$$\textcircled{5} \quad \frac{6x+4}{7} = \frac{5x+4}{6}$$

$$\left(\frac{6x+4}{\cancel{7}_1}\right) \times \overset{6}{42} = \left(\frac{5x+4}{\cancel{6}_1}\right) \times \overset{7}{42}$$

$$36x + 24 = 35x + 28$$

$$36x - 35x = 28 - 24$$

$$x = 4$$

$$\textcircled{6} \quad \frac{1}{3}x + 7 = \frac{3}{4}x + 2$$

$$\left(\frac{1}{3}x + 7\right) \times 12 = \left(\frac{3}{4}x + 2\right) \times 12$$

$$4x + 84 = 9x + 24$$

$$4x - 9x = 24 - 84$$

$$-5x = -60$$

$$x = 12$$