

連立方程式 <計算5> No.1の解答

1. 次の方程式を解きなさい。

$$(1) \begin{cases} 3x + \frac{4}{9}y = -\frac{97}{9} \\ -\frac{6}{5}x + y = -\frac{2}{5} \end{cases}$$

答. $x = -3, y = -4$

$$(2) \begin{cases} x - 5y = 33 \\ \frac{7}{2}x - \frac{4}{3}y = \frac{104}{3} \end{cases}$$

答. $x = 8, y = -5$

$$(3) \begin{cases} -2x + \frac{7}{5}y = \frac{77}{5} \\ -9x + 3y = 66 \end{cases}$$

答. $x = -7, y = 1$

$$(4) \begin{cases} \frac{2}{7}x - \frac{1}{9}y = \frac{26}{21} \\ \frac{2}{3}x + \frac{4}{3}y = -\frac{20}{3} \end{cases}$$

答. $x = 2, y = -6$

$$(5) \begin{cases} -x - \frac{3}{4}y = \frac{67}{4} \\ \frac{1}{5}x + \frac{1}{3}y = -5 \end{cases}$$

答. $x = -10, y = -9$

$$(6) \begin{cases} -6x - \frac{7}{3}y = -\frac{8}{3} \\ -\frac{4}{3}x - 2y = \frac{16}{3} \end{cases}$$

答. $x = 2, y = -4$

連立方程式 <計算5> No.2の解答

1. 次の方程式を解きなさい。

$$(1) \begin{cases} \frac{7}{9}x + \frac{1}{7}y = -\frac{19}{21} \\ \frac{4}{7}x - 3y = -\frac{222}{7} \end{cases}$$

答. $x = -3, y = 10$

$$(2) \begin{cases} \frac{8}{9}x + \frac{5}{3}y = \frac{29}{9} \\ -\frac{2}{5}x + \frac{2}{3}y = \frac{14}{5} \end{cases}$$

答. $x = -2, y = 3$

$$(3) \begin{cases} \frac{9}{4}x - \frac{1}{2}y = -\frac{47}{2} \\ -\frac{7}{6}x - \frac{6}{5}y = \frac{139}{15} \end{cases}$$

答. $x = -10, y = 2$

$$(4) \begin{cases} \frac{5}{7}x + \frac{7}{3}y = -\frac{520}{21} \\ x + \frac{1}{5}y = -4 \end{cases}$$

答. $x = -2, y = -10$

$$(5) \begin{cases} x - 5y = 33 \\ \frac{7}{2}x - \frac{4}{3}y = \frac{104}{3} \end{cases}$$

答. $x = 8, y = -5$

$$(6) \begin{cases} \frac{5}{4}x - y = \frac{5}{4} \\ \frac{1}{7}x + \frac{9}{8}y = \frac{1}{7} \end{cases}$$

答. $x = 1, y = 0$

連立方程式 <計算5> No.3の解答

1. 次の方程式を解きなさい。

$$(1) \begin{cases} \frac{2}{7}x - \frac{1}{9}y = \frac{26}{21} \\ \frac{2}{3}x + \frac{4}{3}y = -\frac{20}{3} \end{cases}$$

答. $x = 2, y = -6$

$$(2) \begin{cases} \frac{1}{2}x + \frac{3}{2}y = -\frac{19}{2} \\ 2x + \frac{5}{4}y = -\frac{19}{2} \end{cases}$$

答. $x = -1, y = -6$

$$(3) \begin{cases} \frac{7}{8}x - \frac{2}{9}y = \frac{679}{72} \\ -\frac{3}{2}x + y = -\frac{41}{2} \end{cases}$$

答. $x = 9, y = -7$

$$(4) \begin{cases} -x - \frac{1}{7}y = \frac{54}{7} \\ \frac{1}{4}x - \frac{1}{3}y = -\frac{21}{4} \end{cases}$$

答. $x = -9, y = 9$

$$(5) \begin{cases} -\frac{3}{7}x - \frac{1}{5}y = -\frac{122}{35} \\ 5x - y = 54 \end{cases}$$

答. $x = 10, y = -4$

$$(6) \begin{cases} -\frac{1}{8}x + y = -\frac{67}{8} \\ 2x - 4y = 38 \end{cases}$$

答. $x = 3, y = -8$

連立方程式 <計算5> No.4の解答

1. 次の方程式を解きなさい。

$$(1) \begin{cases} -\frac{9}{7}x + \frac{3}{2}y = -\frac{57}{7} \\ -5x + \frac{9}{2}y = -21 \end{cases}$$

答. $x = -3, y = -8$

$$(2) \begin{cases} \frac{1}{3}x + \frac{1}{4}y = -\frac{7}{12} \\ -x + \frac{1}{3}y = -\frac{11}{3} \end{cases}$$

答. $x = 2, y = -5$

$$(3) \begin{cases} -\frac{1}{2}x - y = -4 \\ -\frac{1}{2}x - \frac{3}{5}y = -\frac{2}{5} \end{cases}$$

答. $x = -10, y = 9$

$$(4) \begin{cases} -\frac{9}{7}x - \frac{7}{9}y = \frac{652}{21} \\ -\frac{1}{8}x - \frac{1}{2}y = \frac{63}{4} \end{cases}$$

答. $x = -2, y = -10$

$$(5) \begin{cases} x - 5y = 33 \\ \frac{7}{2}x - \frac{4}{3}y = \frac{104}{3} \end{cases}$$

答. $x = 8, y = -5$

$$(6) \begin{cases} \frac{2}{7}x - \frac{1}{9}y = \frac{26}{21} \\ \frac{2}{3}x + \frac{4}{3}y = -\frac{20}{3} \end{cases}$$

答. $x = 2, y = -6$

連立方程式 <計算5> No.5の解答

1. 次の方程式を解きなさい。

$$(1) \begin{cases} -\frac{1}{3}x + 2y = \frac{34}{3} \\ \frac{7}{2}x - y = 21 \end{cases}$$

答. $x = 8, y = 7$

$$(2) \begin{cases} \frac{4}{9}x - 3y = -\frac{169}{9} \\ -2x + \frac{9}{8}y = -\frac{17}{8} \end{cases}$$

答. $x = 5, y = 7$

$$(3) \begin{cases} \frac{9}{7}x + \frac{6}{5}y = -\frac{429}{35} \\ -\frac{2}{3}x - 7y = 51 \end{cases}$$

答. $x = -3, y = -7$

$$(4) \begin{cases} -\frac{7}{9}x - y = \frac{19}{9} \\ -\frac{2}{3}x - \frac{3}{5}y = \frac{31}{15} \end{cases}$$

答. $x = -4, y = 1$

$$(5) \begin{cases} -\frac{1}{2}x - \frac{2}{5}y = \frac{31}{10} \\ \frac{8}{5}x + \frac{2}{3}y = -\frac{158}{15} \end{cases}$$

答. $x = -7, y = 1$

$$(6) \begin{cases} \frac{9}{2}x + \frac{6}{5}y = \frac{417}{10} \\ \frac{4}{3}x - 5y = 7 \end{cases}$$

答. $x = 9, y = 1$