

■ 次の式を因数分解しなさい。

①  $5x^2 - 6x + 1$

$$\begin{array}{r} \times \quad \rightarrow \\ \hline 5 \quad 1 \quad -6 \end{array} \quad \boxed{\phantom{000}}$$

②  $8x^2 + 6x - 9$

③  $5x^2 - 22x + 8$

④  $16x^2 - 24x + 5$

⑤  $3x^2 + 13x - 10$

⑥  $4x^2 + 8x - 5$

⑦  $9x^2 - 18x + 8$

⑧  $8x^2 - 2x - 3$

⑨  $3x^2 - 8x - 3$

⑩  $2x^2 - 7x + 6$

⑪  $4x^2 + 11x - 3$

⑫  $6x^2 + 5x - 25$

■ 次の式を因数分解しなさい。

①  $5x^2 - 6x + 1$

$$\begin{array}{r} 1 \quad -1 \rightarrow -5 \\ 5 \quad -1 \rightarrow -1 \\ \hline 5 \quad 1 \quad -6 \end{array} \quad \boxed{(x-1)(5x-1)}$$

②  $8x^2 + 6x - 9$

$$\begin{array}{r} 2 \quad 3 \rightarrow 12 \\ 4 \quad -3 \rightarrow -6 \\ \hline 8 \quad -9 \quad 6 \end{array} \quad \boxed{(2x+3)(4x-3)}$$

③  $5x^2 - 22x + 8$

$$\begin{array}{r} 1 \quad -4 \rightarrow -20 \\ 5 \quad -2 \rightarrow -2 \\ \hline 5 \quad 8 \quad -22 \end{array} \quad \boxed{(x-4)(5x-2)}$$

④  $16x^2 - 24x + 5$

$$\begin{array}{r} 4 \quad -1 \rightarrow -4 \\ 4 \quad -5 \rightarrow -20 \\ \hline 16 \quad 5 \quad -24 \end{array} \quad \boxed{(4x-1)(4x-5)}$$

⑤  $3x^2 + 13x - 10$

$$\begin{array}{r} 1 \quad 5 \rightarrow 15 \\ 3 \quad -2 \rightarrow -2 \\ \hline 3 \quad -10 \quad 13 \end{array} \quad \boxed{(x+5)(3x-2)}$$

⑥  $4x^2 + 8x - 5$

$$\begin{array}{r} 2 \quad -1 \rightarrow -2 \\ 2 \quad 5 \rightarrow 10 \\ \hline 4 \quad -5 \quad 8 \end{array} \quad \boxed{(2x-1)(2x+5)}$$

⑦  $9x^2 - 18x + 8$

$$\begin{array}{r} 3 \quad -2 \rightarrow -6 \\ 3 \quad -4 \rightarrow -12 \\ \hline 9 \quad 8 \quad -18 \end{array} \quad \boxed{(3x-2)(3x-4)}$$

⑧  $8x^2 - 2x - 3$

$$\begin{array}{r} 4 \quad -3 \rightarrow -6 \\ 2 \quad 1 \rightarrow 4 \\ \hline 8 \quad -3 \quad -2 \end{array} \quad \boxed{(4x-3)(2x+1)}$$

⑨  $3x^2 - 8x - 3$

$$\begin{array}{r} 1 \quad -3 \rightarrow -9 \\ 3 \quad 1 \rightarrow 3 \\ \hline 3 \quad -3 \quad -8 \end{array} \quad \boxed{(x-3)(3x+1)}$$

⑩  $2x^2 - 7x + 6$

$$\begin{array}{r} 1 \quad -2 \rightarrow -4 \\ 2 \quad -3 \rightarrow -3 \\ \hline 2 \quad 6 \quad -7 \end{array} \quad \boxed{(x-2)(2x-3)}$$

⑪  $4x^2 + 11x - 3$

$$\begin{array}{r} 1 \quad 3 \rightarrow 12 \\ 4 \quad -1 \rightarrow -1 \\ \hline 4 \quad -3 \quad 11 \end{array} \quad \boxed{(x+3)(4x-1)}$$

⑫  $6x^2 + 5x - 25$

$$\begin{array}{r} 2 \quad 5 \rightarrow 15 \\ 3 \quad -5 \rightarrow -10 \\ \hline 6 \quad -25 \quad 5 \end{array} \quad \boxed{(2x+5)(3x-5)}$$