

1 次の式を因数分解しなさい。

① $6x + 3$

② $2xy + 7y^2$

③ $5x^2 + 10x$

④ $ab - 4a$

⑤ $6x^2 - 18xy$

⑥ $2ax + 8a$

⑦ $7ab + 5bc$

⑧ $8x^2y - 24xy^2$

⑨ $2a^2b + 8ab^2 - 4ab$

⑩ $6ab + 3a$

⑪ $12x^3y^2 - 4x^2y$

⑫ $6a^2b - 8ab^2 - 12ab$

⑬ $8a^2b - 16ab^2 + 20abc$

⑭ $21x^3y^3 + 28x^2y^2$

⑮ $10a^3b - 20a^2b^2 - 5ab^3$

⑯ $3a^3b^2 - 21a^2b^3 - 24a^2b^2$

1 次の式を因数分解しなさい。

$$\begin{aligned} \textcircled{1} \quad 6x + 3 \\ = 3(2x + 1) \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 2xy + 7y^2 \\ = y(2x + 7y) \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 5x^2 + 10x \\ = 5x(x + 2) \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad ab - 4a \\ = a(b - 4) \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 6x^2 - 18xy \\ = 6x(x - 3y) \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 2ax + 8a \\ = 2a(x + 4) \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 7ab + 5bc \\ = b(7a + 5c) \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 8x^2y - 24xy^2 \\ = 8xy(x - 3y) \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 2a^2b + 8ab^2 - 4ab \\ = 2ab(a + 4b - 2) \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 6ab + 3a \\ = 3a(2b + 1) \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 12x^3y^2 - 4x^2y \\ = 4x^2y(3xy - 1) \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 6a^2b - 8ab^2 - 12ab \\ = 2ab(3a - 4b - 6) \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 8a^2b - 16ab^2 + 20abc \\ = 4ab(2a - 4b + 5c) \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 21x^3y^3 + 28x^2y^2 \\ = 7x^2y^2(3xy + 4) \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 10a^3b - 20a^2b^2 - 5ab^3 \\ = 5ab(2a^2 - 4ab - b^2) \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 3a^3b^2 - 21a^2b^3 - 24a^2b^2 \\ = 3a^2b^2(a - 7b - 8) \end{aligned}$$