

1 次の式を因数分解しなさい。

① $24x + 18$

② $49xy + 28y^2$

③ $15x^2 + 25x$

④ $16ab - 12a$

⑤ $8x^2 - 32xy$

⑥ $12ax + 24a$

⑦ $25ab + 10bc$

⑧ $27x^2y - 18xy^2$

⑨ $6a^2b + 36ab^2 - 48ab$

⑩ $27ab + 9a$

⑪ $36x^3y^2 - 6x^2y$

⑫ $10a^2b - 25ab^2 - 15ab$

⑬ $24a^2b - 40ab^2 + 16abc$

⑭ $28x^3y^3 + 12x^2y^2$

⑮ $27a^3b - 63a^2b^2 - 45ab^3$

⑯ $24a^3b^2 - 16a^2b^3 - 64a^2b^2$

1 次の式を因数分解しなさい。

$$\begin{aligned} \textcircled{1} \quad 24x + 18 \\ = 6(4x + 3) \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad 49xy + 28y^2 \\ = 7y(7x + 4y) \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad 15x^2 + 25x \\ = 5x(3x + 5) \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad 16ab - 12a \\ = 4a(4b - 3) \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad 8x^2 - 32xy \\ = 8x(x - 4y) \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad 12ax + 24a \\ = 12a(x + 2) \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad 25ab + 10bc \\ = 5b(5a + 2c) \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad 27x^2y - 18xy^2 \\ = 9xy(3x - 2y) \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad 6a^2b + 36ab^2 - 48ab \\ = 6ab(a + 6b - 8) \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad 27ab + 9a \\ = 9a(3b + 1) \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad 36x^3y^2 - 6x^2y \\ = 6x^2y(6xy - 1) \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad 10a^2b - 25ab^2 - 15ab \\ = 5ab(2a - 5b - 3) \end{aligned}$$

$$\begin{aligned} \textcircled{13} \quad 24a^2b - 40ab^2 + 16abc \\ = 4ab(6a - 10b + 4c) \end{aligned}$$

$$\begin{aligned} \textcircled{14} \quad 28x^3y^3 + 12x^2y^2 \\ = 4x^2y^2(7xy + 3) \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad 27a^3b - 63a^2b^2 - 45ab^3 \\ = 9ab(3a^2 - 7ab - 5b^2) \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad 24a^3b^2 - 16a^2b^3 - 64a^2b^2 \\ = 8a^2b^2(3a - 2b - 8) \end{aligned}$$