

## 因数分解 基本（20問） 版Cの答え

※ 答えは、展開して元の式に戻るかで自分で確かめられます。

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$$\begin{aligned}(1) \quad & x^2 + 13x + 36 \\ & = (x + 4)(x + 9)\end{aligned}$$

$$\begin{aligned}(2) \quad & 6x^2 - 12x \\ & = 6x(x - 2)\end{aligned}$$

$$\begin{aligned}(3) \quad & 16x^2 - 81 \\ & = (4x - 9)(4x + 9)\end{aligned}$$

$$\begin{aligned}(4) \quad & x^2 - 6x - 16 \\ & = (x - 8)(x + 2)\end{aligned}$$

$$\begin{aligned}(5) \quad & x^2 - x - 42 \\ & = (x - 7)(x + 6)\end{aligned}$$

$$\begin{aligned}(6) \quad & x^2 + 16x + 64 \\ & = (x + 8)^2\end{aligned}$$

$$\begin{aligned}(7) \quad & 5x^2 + 30x \\ & = 5x(x + 6)\end{aligned}$$

$$\begin{aligned}(8) \quad & x^2 - 4x - 5 \\ & = (x - 5)(x + 1)\end{aligned}$$

$$\begin{aligned}(9) \quad & x^2 + 14x + 49 \\ & = (x + 7)^2\end{aligned}$$

$$\begin{aligned}(10) \quad & x^2 - 3x - 40 \\ & = (x - 8)(x + 5)\end{aligned}$$

$$\begin{aligned}(11) \quad & x^2 - 2x - 24 \\ & = (x - 6)(x + 4)\end{aligned}$$

$$\begin{aligned}(12) \quad & x^2 + 5x + 6 \\ & = (x + 2)(x + 3)\end{aligned}$$

$$\begin{aligned}(13) \quad & x^2 - 4x + 3 \\ & = (x - 3)(x - 1)\end{aligned}$$

$$\begin{aligned}(14) \quad & 4x^2 - 49 \\ & = (2x - 7)(2x + 7)\end{aligned}$$

$$\begin{aligned}(15) \quad & 9x^2 - 4 \\ & = (3x - 2)(3x + 2)\end{aligned}$$

$$\begin{aligned}(16) \quad & 2x^2 + 16x \\ & = 2x(x + 8)\end{aligned}$$

$$\begin{aligned}(17) \quad & x^2 + 6x + 8 \\ & = (x + 2)(x + 4)\end{aligned}$$

$$\begin{aligned}(18) \quad & 4x^2 - 81 \\ & = (2x - 9)(2x + 9)\end{aligned}$$

$$\begin{aligned}(19) \quad & x^2 + 8x + 16 \\ & = (x + 4)^2\end{aligned}$$

$$\begin{aligned}(20) \quad & x^2 + 6x + 9 \\ & = (x + 3)^2\end{aligned}$$