

因数分解 基本（20問） 版F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。

$$\begin{aligned}(1) \quad x^2 + 7x \\ = x(x + 7)\end{aligned}$$

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

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

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

$$\begin{aligned}(5) \quad 2x^2 + 18x \\ = 2x(x + 9)\end{aligned}$$

$$\begin{aligned}(6) \quad x^2 + 10x + 9 \\ = (x + 1)(x + 9)\end{aligned}$$

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

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

$$\begin{aligned}(9) \quad x^2 + 6x - 16 \\ = (x - 2)(x + 8)\end{aligned}$$

$$\begin{aligned}(10) \quad x^2 + 12x + 36 \\ = (x + 6)^2\end{aligned}$$

$$\begin{aligned}(11) \quad x^2 - 49 \\ = (x - 7)(x + 7)\end{aligned}$$

$$\begin{aligned}(12) \quad x^2 - 12x + 35 \\ = (x - 7)(x - 5)\end{aligned}$$

$$\begin{aligned}(13) \quad 9x^2 - 25 \\ = (3x - 5)(3x + 5)\end{aligned}$$

$$\begin{aligned}(14) \quad x^2 + x - 6 \\ = (x - 2)(x + 3)\end{aligned}$$

$$\begin{aligned}(15) \quad x^2 - x - 42 \\ = (x - 7)(x + 6)\end{aligned}$$

$$\begin{aligned}(16) \quad x^2 + 12x + 32 \\ = (x + 4)(x + 8)\end{aligned}$$

$$\begin{aligned}(17) \quad x^2 - 4x - 21 \\ = (x - 7)(x + 3)\end{aligned}$$

$$\begin{aligned}(18) \quad x^2 + 16x + 64 \\ = (x + 8)^2\end{aligned}$$

$$\begin{aligned}(19) \quad 2x^2 - 6x \\ = 2x(x - 3)\end{aligned}$$

$$\begin{aligned}(20) \quad x^2 - 13x + 42 \\ = (x - 7)(x - 6)\end{aligned}$$