

因数分解 基本（20問） 版E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。

$$\begin{aligned}(1) \quad & x^2 + 3x - 10 \\ & = (x - 2)(x + 5)\end{aligned}$$

$$\begin{aligned}(2) \quad & x^2 + 7x + 10 \\ & = (x + 2)(x + 5)\end{aligned}$$

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

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

$$\begin{aligned}(5) \quad & 4x^2 - 81 \\ & = (2x - 9)(2x + 9)\end{aligned}$$

$$\begin{aligned}(6) \quad & x^2 + 3x - 18 \\ & = (x - 3)(x + 6)\end{aligned}$$

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

$$\begin{aligned}(8) \quad & x^2 + 14x + 48 \\ & = (x + 6)(x + 8)\end{aligned}$$

$$\begin{aligned}(9) \quad & x^2 + 12x + 36 \\ & = (x + 6)^2\end{aligned}$$

$$\begin{aligned}(10) \quad & 6x^2 + 24x \\ & = 6x(x + 4)\end{aligned}$$

$$\begin{aligned}(11) \quad & x^2 + 2x - 3 \\ & = (x - 1)(x + 3)\end{aligned}$$

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

$$\begin{aligned}(13) \quad & x^2 - 12x + 35 \\ & = (x - 7)(x - 5)\end{aligned}$$

$$\begin{aligned}(14) \quad & x^2 - 10x + 21 \\ & = (x - 7)(x - 3)\end{aligned}$$

$$\begin{aligned}(15) \quad & x^2 - 14x + 49 \\ & = (x - 7)^2\end{aligned}$$

$$\begin{aligned}(16) \quad & 9x^2 - 1 \\ & = (3x - 1)(3x + 1)\end{aligned}$$

$$\begin{aligned}(17) \quad & 16x^2 - 81 \\ & = (4x - 9)(4x + 9)\end{aligned}$$

$$\begin{aligned}(18) \quad & x^2 + 6x + 9 \\ & = (x + 3)^2\end{aligned}$$

$$\begin{aligned}(19) \quad & x^2 - x - 42 \\ & = (x - 7)(x + 6)\end{aligned}$$

$$\begin{aligned}(20) \quad & 4x^2 + 4x \\ & = 4x(x + 1)\end{aligned}$$