

平方完成 基本（20問） 版Dの答え

※ x の係数の半分を2乗して引いたかを見てください。

$$\begin{aligned}(1) \quad & x^2 + 8x + 19 \\ &= (x + 4)^2 + 3\end{aligned}$$

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

$$\begin{aligned}(3) \quad & x^2 - 6x + 24 \\ &= (x - 3)^2 + 15\end{aligned}$$

$$\begin{aligned}(4) \quad & x^2 - 10x + 40 \\ &= (x - 5)^2 + 15\end{aligned}$$

$$\begin{aligned}(5) \quad & x^2 - 10x + 35 \\ &= (x - 5)^2 + 10\end{aligned}$$

$$\begin{aligned}(6) \quad & x^2 + 4x + 9 \\ &= (x + 2)^2 + 5\end{aligned}$$

$$\begin{aligned}(7) \quad & x^2 - 14x + 61 \\ &= (x - 7)^2 + 12\end{aligned}$$

$$\begin{aligned}(8) \quad & x^2 - 6x + 3 \\ &= (x - 3)^2 - 6\end{aligned}$$

$$\begin{aligned}(9) \quad & x^2 + 14x + 37 \\ &= (x + 7)^2 - 12\end{aligned}$$

$$\begin{aligned}(10) \quad & x^2 - 10x + 30 \\ &= (x - 5)^2 + 5\end{aligned}$$

$$\begin{aligned}(11) \quad & x^2 - 14x + 37 \\ &= (x - 7)^2 - 12\end{aligned}$$

$$\begin{aligned}(12) \quad & x^2 + 8x + 30 \\ &= (x + 4)^2 + 14\end{aligned}$$

$$\begin{aligned}(13) \quad & x^2 - 12x + 42 \\ &= (x - 6)^2 + 6\end{aligned}$$

$$\begin{aligned}(14) \quad & x^2 + 6x + 2 \\ &= (x + 3)^2 - 7\end{aligned}$$

$$\begin{aligned}(15) \quad & x^2 - 12x + 34 \\ &= (x - 6)^2 - 2\end{aligned}$$

$$\begin{aligned}(16) \quad & x^2 - 2x - 9 \\ &= (x - 1)^2 - 10\end{aligned}$$

$$\begin{aligned}(17) \quad & x^2 - 12x + 41 \\ &= (x - 6)^2 + 5\end{aligned}$$

$$\begin{aligned}(18) \quad & x^2 - 2x - 11 \\ &= (x - 1)^2 - 12\end{aligned}$$

$$\begin{aligned}(19) \quad & x^2 + 14x + 45 \\ &= (x + 7)^2 - 4\end{aligned}$$

$$\begin{aligned}(20) \quad & x^2 - 14x + 45 \\ &= (x - 7)^2 - 4\end{aligned}$$