

平方完成 基本（20問） 版I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。

$$\begin{aligned}(1) \quad & x^2 + 12x + 22 \\ &= (x + 6)^2 - 14\end{aligned}$$

$$\begin{aligned}(2) \quad & x^2 - 10x + 38 \\ &= (x - 5)^2 + 13\end{aligned}$$

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

$$\begin{aligned}(4) \quad & x^2 - 10x + 36 \\ &= (x - 5)^2 + 11\end{aligned}$$

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

$$\begin{aligned}(6) \quad & x^2 - 14x + 43 \\ &= (x - 7)^2 - 6\end{aligned}$$

$$\begin{aligned}(7) \quad & x^2 + 4x + 6 \\ &= (x + 2)^2 + 2\end{aligned}$$

$$\begin{aligned}(8) \quad & x^2 - 12x + 46 \\ &= (x - 6)^2 + 10\end{aligned}$$

$$\begin{aligned}(9) \quad & x^2 - 2x + 15 \\ &= (x - 1)^2 + 14\end{aligned}$$

$$\begin{aligned}(10) \quad & x^2 + 12x + 42 \\ &= (x + 6)^2 + 6\end{aligned}$$

$$\begin{aligned}(11) \quad & x^2 - 12x + 24 \\ &= (x - 6)^2 - 12\end{aligned}$$

$$\begin{aligned}(12) \quad & x^2 - 12x + 47 \\ &= (x - 6)^2 + 11\end{aligned}$$

$$\begin{aligned}(13) \quad & x^2 + 2x - 11 \\ &= (x + 1)^2 - 12\end{aligned}$$

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

$$\begin{aligned}(15) \quad & x^2 - 8x + 3 \\ &= (x - 4)^2 - 13\end{aligned}$$

$$\begin{aligned}(16) \quad & x^2 + 8x + 13 \\ &= (x + 4)^2 - 3\end{aligned}$$

$$\begin{aligned}(17) \quad & x^2 + 8x + 19 \\ &= (x + 4)^2 + 3\end{aligned}$$

$$\begin{aligned}(18) \quad & x^2 + 8x + 27 \\ &= (x + 4)^2 + 11\end{aligned}$$

$$\begin{aligned}(19) \quad & x^2 + 6x + 22 \\ &= (x + 3)^2 + 13\end{aligned}$$

$$\begin{aligned}(20) \quad & x^2 - 10x + 12 \\ &= (x - 5)^2 - 13\end{aligned}$$