

平方完成 分数・係数（20問） 版Hの答え

※ x^2 の係数でくくるとき、定数項までくくっていないかを見てください。

$$\begin{aligned}(1) \quad & x^2 + 5x - 6 \\ & = (x + 5/2)^2 - 49/4\end{aligned}$$

$$\begin{aligned}(2) \quad & x^2 - 5x \\ & = (x - 5/2)^2 - 25/4\end{aligned}$$

$$\begin{aligned}(3) \quad & 5x^2 + 50x + 126 \\ & = 5(x + 5)^2 + 1\end{aligned}$$

$$\begin{aligned}(4) \quad & x^2 - x - 4 \\ & = (x - 1/2)^2 - 17/4\end{aligned}$$

$$\begin{aligned}(5) \quad & x^2 + 3x - 5 \\ & = (x + 3/2)^2 - 29/4\end{aligned}$$

$$\begin{aligned}(6) \quad & 4x^2 + 32x + 55 \\ & = 4(x + 4)^2 - 9\end{aligned}$$

$$\begin{aligned}(7) \quad & x^2 - x - 5 \\ & = (x - 1/2)^2 - 21/4\end{aligned}$$

$$\begin{aligned}(8) \quad & x^2 + 7x - 8 \\ & = (x + 7/2)^2 - 81/4\end{aligned}$$

$$\begin{aligned}(9) \quad & x^2 - 3x - 1 \\ & = (x - 3/2)^2 - 13/4\end{aligned}$$

$$\begin{aligned}(10) \quad & 2x^2 + 12x + 25 \\ & = 2(x + 3)^2 + 7\end{aligned}$$

$$\begin{aligned}(11) \quad & 2x^2 - 4x + 2 \\ & = 2(x - 1)^2\end{aligned}$$

$$\begin{aligned}(12) \quad & x^2 + 3x + 1 \\ & = (x + 3/2)^2 - 5/4\end{aligned}$$

$$\begin{aligned}(13) \quad & 2x^2 - 16x + 29 \\ & = 2(x - 4)^2 - 3\end{aligned}$$

$$\begin{aligned}(14) \quad & x^2 + x + 7 \\ & = (x + 1/2)^2 + 27/4\end{aligned}$$

$$\begin{aligned}(15) \quad & 5x^2 - 10x + 8 \\ & = 5(x - 1)^2 + 3\end{aligned}$$

$$\begin{aligned}(16) \quad & x^2 - x - 9 \\ & = (x - 1/2)^2 - 37/4\end{aligned}$$

$$\begin{aligned}(17) \quad & 4x^2 - 16x + 17 \\ & = 4(x - 2)^2 + 1\end{aligned}$$

$$\begin{aligned}(18) \quad & 2x^2 - 4x + 5 \\ & = 2(x - 1)^2 + 3\end{aligned}$$

$$\begin{aligned}(19) \quad & 5x^2 - 10x + 11 \\ & = 5(x - 1)^2 + 6\end{aligned}$$

$$\begin{aligned}(20) \quad & 4x^2 - 24x + 41 \\ & = 4(x - 3)^2 + 5\end{aligned}$$