

平方完成 負の係数・発展（20問） 版Aの答え

※ $-(x-2)^2$ のくくり方で、中の符号を変え忘れていないかを見てください。

$$\begin{aligned}(1) \quad & -2x^2 + x + 6 \\ & = -2(x - 1/4)^2 + 49/8\end{aligned}$$

$$\begin{aligned}(2) \quad & -2x^2 - 5x - 1 \\ & = -2(x + 5/4)^2 + 17/8\end{aligned}$$

$$\begin{aligned}(3) \quad & x^2 + 7x - 5 \\ & = (x + 7/2)^2 - 69/4\end{aligned}$$

$$\begin{aligned}(4) \quad & -x^2 - 6x + 2 \\ & = -(x + 3)^2 + 11\end{aligned}$$

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

$$\begin{aligned}(6) \quad & -2x^2 + 12x - 26 \\ & = -2(x - 3)^2 - 8\end{aligned}$$

$$\begin{aligned}(7) \quad & 2x^2 - 3x + 6 \\ & = 2(x - 3/4)^2 + 39/8\end{aligned}$$

$$\begin{aligned}(8) \quad & 2x^2 - 3x \\ & = 2(x - 3/4)^2 - 9/8\end{aligned}$$

$$\begin{aligned}(9) \quad & -x^2 - 2x + 8 \\ & = -(x + 1)^2 + 9\end{aligned}$$

$$\begin{aligned}(10) \quad & -3x^2 + 6x + 3 \\ & = -3(x - 1)^2 + 6\end{aligned}$$

$$\begin{aligned}(11) \quad & x^2 + x - 3 \\ & = (x + 1/2)^2 - 13/4\end{aligned}$$

$$\begin{aligned}(12) \quad & -x^2 + 2x - 9 \\ & = -(x - 1)^2 - 8\end{aligned}$$

$$\begin{aligned}(13) \quad & -2x^2 + 9x - 3 \\ & = -2(x - 9/4)^2 + 57/8\end{aligned}$$

$$\begin{aligned}(14) \quad & 2x^2 + 7x + 6 \\ & = 2(x + 7/4)^2 - 1/8\end{aligned}$$

$$\begin{aligned}(15) \quad & x^2 - 9x - 4 \\ & = (x - 9/2)^2 - 97/4\end{aligned}$$

$$\begin{aligned}(16) \quad & -3x^2 - 18x - 31 \\ & = -3(x + 3)^2 - 4\end{aligned}$$

$$\begin{aligned}(17) \quad & -2x^2 - 7x - 6 \\ & = -2(x + 7/4)^2 + 1/8\end{aligned}$$

$$\begin{aligned}(18) \quad & -3x^2 + 18x - 38 \\ & = -3(x - 3)^2 - 11\end{aligned}$$

$$\begin{aligned}(19) \quad & x^2 - x + 9 \\ & = (x - 1/2)^2 + 35/4\end{aligned}$$

$$\begin{aligned}(20) \quad & 2x^2 - 5x + 6 \\ & = 2(x - 5/4)^2 + 23/8\end{aligned}$$