

平方完成 負の係数・発展（20問） 版J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。

$$\begin{aligned}(1) \quad & 2x^2 - 9x - 2 \\ & = 2(x - 9/4)^2 - 97/8\end{aligned}$$

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

$$\begin{aligned}(3) \quad & -2x^2 + 9x \\ & = -2(x - 9/4)^2 + 81/8\end{aligned}$$

$$\begin{aligned}(4) \quad & -2x^2 - 5x + 3 \\ & = -2(x + 5/4)^2 + 49/8\end{aligned}$$

$$\begin{aligned}(5) \quad & -x^2 + 8x - 7 \\ & = -(x - 4)^2 + 9\end{aligned}$$

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

$$\begin{aligned}(7) \quad & x^2 + 9x - 5 \\ & = (x + 9/2)^2 - 101/4\end{aligned}$$

$$\begin{aligned}(8) \quad & 2x^2 + 7x + 5 \\ & = 2(x + 7/4)^2 - 9/8\end{aligned}$$

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

$$\begin{aligned}(10) \quad & x^2 - 9x + 4 \\ & = (x - 9/2)^2 - 65/4\end{aligned}$$

$$\begin{aligned}(11) \quad & -x^2 + 8x - 16 \\ & = -(x - 4)^2\end{aligned}$$

$$\begin{aligned}(12) \quad & 2x^2 - 5x + 3 \\ & = 2(x - 5/4)^2 - 1/8\end{aligned}$$

$$\begin{aligned}(13) \quad & 2x^2 - x - 5 \\ & = 2(x - 1/4)^2 - 41/8\end{aligned}$$

$$\begin{aligned}(14) \quad & -2x^2 + x + 1 \\ & = -2(x - 1/4)^2 + 9/8\end{aligned}$$

$$\begin{aligned}(15) \quad & x^2 - 3x - 9 \\ & = (x - 3/2)^2 - 45/4\end{aligned}$$

$$\begin{aligned}(16) \quad & -2x^2 - 8x - 12 \\ & = -2(x + 2)^2 - 4\end{aligned}$$

$$\begin{aligned}(17) \quad & 2x^2 - 9x + 1 \\ & = 2(x - 9/4)^2 - 73/8\end{aligned}$$

$$\begin{aligned}(18) \quad & -x^2 - 8x - 24 \\ & = -(x + 4)^2 - 8\end{aligned}$$

$$\begin{aligned}(19) \quad & -3x^2 - 6x + 7 \\ & = -3(x + 1)^2 + 10\end{aligned}$$

$$\begin{aligned}(20) \quad & -2x^2 + 12x - 20 \\ & = -2(x - 3)^2 - 2\end{aligned}$$