

平方完成 分数・係数（20問） 版F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。

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

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

$$\begin{aligned}(3) \quad & 3x^2 + 24x + 44 \\ & = 3(x + 4)^2 - 4\end{aligned}$$

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

$$\begin{aligned}(5) \quad & x^2 + 5x - 8 \\ & = (x + 5/2)^2 - 57/4\end{aligned}$$

$$\begin{aligned}(6) \quad & x^2 - 9x + 3 \\ & = (x - 9/2)^2 - 69/4\end{aligned}$$

$$\begin{aligned}(7) \quad & x^2 - 9x \\ & = (x - 9/2)^2 - 81/4\end{aligned}$$

$$\begin{aligned}(8) \quad & 2x^2 + 16x + 23 \\ & = 2(x + 4)^2 - 9\end{aligned}$$

$$\begin{aligned}(9) \quad & 2x^2 - 12x + 8 \\ & = 2(x - 3)^2 - 10\end{aligned}$$

$$\begin{aligned}(10) \quad & 4x^2 + 24x + 43 \\ & = 4(x + 3)^2 + 7\end{aligned}$$

$$\begin{aligned}(11) \quad & 2x^2 - 16x + 34 \\ & = 2(x - 4)^2 + 2\end{aligned}$$

$$\begin{aligned}(12) \quad & 3x^2 - 6x + 5 \\ & = 3(x - 1)^2 + 2\end{aligned}$$

$$\begin{aligned}(13) \quad & 4x^2 - 40x + 107 \\ & = 4(x - 5)^2 + 7\end{aligned}$$

$$\begin{aligned}(14) \quad & x^2 + 5x - 9 \\ & = (x + 5/2)^2 - 61/4\end{aligned}$$

$$\begin{aligned}(15) \quad & 5x^2 - 10x + 11 \\ & = 5(x - 1)^2 + 6\end{aligned}$$

$$\begin{aligned}(16) \quad & x^2 - x - 1 \\ & = (x - 1/2)^2 - 5/4\end{aligned}$$

$$\begin{aligned}(17) \quad & 2x^2 + 16x + 27 \\ & = 2(x + 4)^2 - 5\end{aligned}$$

$$\begin{aligned}(18) \quad & x^2 + 9x + 7 \\ & = (x + 9/2)^2 - 53/4\end{aligned}$$

$$\begin{aligned}(19) \quad & x^2 + 9x - 3 \\ & = (x + 9/2)^2 - 93/4\end{aligned}$$

$$\begin{aligned}(20) \quad & x^2 + 5x + 4 \\ & = (x + 5/2)^2 - 9/4\end{aligned}$$