

## 平方完成 分数・係数（20問） 版C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。

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$$\begin{aligned}(1) \quad & x^2 + 7x + 4 \\ & = (x + 7/2)^2 - 33/4\end{aligned}$$

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

$$\begin{aligned}(3) \quad & x^2 + 3x - 8 \\ & = (x + 3/2)^2 - 41/4\end{aligned}$$

$$\begin{aligned}(4) \quad & 3x^2 - 12x + 24 \\ & = 3(x - 2)^2 + 12\end{aligned}$$

$$\begin{aligned}(5) \quad & 3x^2 - 30x + 83 \\ & = 3(x - 5)^2 + 8\end{aligned}$$

$$\begin{aligned}(6) \quad & 2x^2 - 20x + 48 \\ & = 2(x - 5)^2 - 2\end{aligned}$$

$$\begin{aligned}(7) \quad & 3x^2 + 12x + 7 \\ & = 3(x + 2)^2 - 5\end{aligned}$$

$$\begin{aligned}(8) \quad & x^2 + 3x - 4 \\ & = (x + 3/2)^2 - 25/4\end{aligned}$$

$$\begin{aligned}(9) \quad & 4x^2 + 16x + 10 \\ & = 4(x + 2)^2 - 6\end{aligned}$$

$$\begin{aligned}(10) \quad & 4x^2 + 32x + 54 \\ & = 4(x + 4)^2 - 10\end{aligned}$$

$$\begin{aligned}(11) \quad & x^2 + 7x + 9 \\ & = (x + 7/2)^2 - 13/4\end{aligned}$$

$$\begin{aligned}(12) \quad & 4x^2 - 32x + 65 \\ & = 4(x - 4)^2 + 1\end{aligned}$$

$$\begin{aligned}(13) \quad & x^2 + 7x - 8 \\ & = (x + 7/2)^2 - 81/4\end{aligned}$$

$$\begin{aligned}(14) \quad & x^2 + 9x - 7 \\ & = (x + 9/2)^2 - 109/4\end{aligned}$$

$$\begin{aligned}(15) \quad & x^2 - 5x + 7 \\ & = (x - 5/2)^2 + 3/4\end{aligned}$$

$$\begin{aligned}(16) \quad & 3x^2 - 12x + 11 \\ & = 3(x - 2)^2 - 1\end{aligned}$$

$$\begin{aligned}(17) \quad & 4x^2 + 8x + 10 \\ & = 4(x + 1)^2 + 6\end{aligned}$$

$$\begin{aligned}(18) \quad & x^2 - 9x + 2 \\ & = (x - 9/2)^2 - 73/4\end{aligned}$$

$$\begin{aligned}(19) \quad & x^2 + 5x - 6 \\ & = (x + 5/2)^2 - 49/4\end{aligned}$$

$$\begin{aligned}(20) \quad & x^2 - 9x - 6 \\ & = (x - 9/2)^2 - 105/4\end{aligned}$$