

## 平方根 乗法公式 (20問) 版Gの答え

※  $(a + b)^2$  の真ん中の項  $2ab$  を落としていないかを見てください。

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

$$\begin{aligned}(2) \quad & (2\sqrt{3} - 5)^2 \\ &= 37 - 20\sqrt{3}\end{aligned}$$

$$\begin{aligned}(3) \quad & (2\sqrt{2} + 4)(\sqrt{2} - 2) \\ &= -4\end{aligned}$$

$$\begin{aligned}(4) \quad & (2\sqrt{6} - 2)^2 \\ &= 28 - 8\sqrt{6}\end{aligned}$$

$$\begin{aligned}(5) \quad & (\sqrt{7} + 1)(\sqrt{7} - 1) \\ &= 6\end{aligned}$$

$$\begin{aligned}(6) \quad & \sqrt{5}(\sqrt{6} - 3) \\ &= \sqrt{30} - 3\sqrt{5}\end{aligned}$$

$$\begin{aligned}(7) \quad & (\sqrt{6} + \sqrt{7})(\sqrt{6} - \sqrt{7}) \\ &= -1\end{aligned}$$

$$\begin{aligned}(8) \quad & (\sqrt{6} - 4)(\sqrt{6} - 3) \\ &= 18 - 7\sqrt{6}\end{aligned}$$

$$\begin{aligned}(9) \quad & (2\sqrt{2} + 3)(\sqrt{2} + 3) \\ &= 13 + 9\sqrt{2}\end{aligned}$$

$$\begin{aligned}(10) \quad & (\sqrt{5} + \sqrt{3})(\sqrt{5} - \sqrt{3}) \\ &= 2\end{aligned}$$

$$\begin{aligned}(11) \quad & (\sqrt{7} + 3)(\sqrt{7} + 5) \\ &= 22 + 8\sqrt{7}\end{aligned}$$

$$\begin{aligned}(12) \quad & (\sqrt{2} + 1)^2 \\ &= 3 + 2\sqrt{2}\end{aligned}$$

$$\begin{aligned}(13) \quad & (\sqrt{2} + 4)(\sqrt{2} - 4) \\ &= -14\end{aligned}$$

$$\begin{aligned}(14) \quad & (\sqrt{6} - 1)^2 \\ &= 7 - 2\sqrt{6}\end{aligned}$$

$$\begin{aligned}(15) \quad & \sqrt{5}(\sqrt{2} - 2) \\ &= \sqrt{10} - 2\sqrt{5}\end{aligned}$$

$$\begin{aligned}(16) \quad & (\sqrt{3} + 1)(\sqrt{3} - 1) \\ &= 2\end{aligned}$$

$$\begin{aligned}(17) \quad & \sqrt{5}(\sqrt{3} - 3) \\ &= \sqrt{15} - 3\sqrt{5}\end{aligned}$$

$$\begin{aligned}(18) \quad & (2\sqrt{6} + 5)^2 \\ &= 49 + 20\sqrt{6}\end{aligned}$$

$$\begin{aligned}(19) \quad & \sqrt{6}(\sqrt{5} + 4) \\ &= 4\sqrt{6} + \sqrt{30}\end{aligned}$$

$$\begin{aligned}(20) \quad & (\sqrt{2} - 2)(\sqrt{2} - 1) \\ &= 4 - 3\sqrt{2}\end{aligned}$$