

平方根 乗法公式（20問） 版D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。

$$\begin{aligned}(1) (\sqrt{3} + 3)^2 \\ = 12 + 6\sqrt{3}\end{aligned}$$

$$\begin{aligned}(2) \sqrt{3}(\sqrt{5} - 2) \\ = \sqrt{15} - 2\sqrt{3}\end{aligned}$$

$$\begin{aligned}(3) (\sqrt{6} + 4)(\sqrt{6} - 4) \\ = -10\end{aligned}$$

$$\begin{aligned}(4) (\sqrt{3} - 5)^2 \\ = 28 - 10\sqrt{3}\end{aligned}$$

$$\begin{aligned}(5) (\sqrt{6} - 2)^2 \\ = 10 - 4\sqrt{6}\end{aligned}$$

$$\begin{aligned}(6) (\sqrt{5} - 3)(\sqrt{5} - 3) \\ = 14 - 6\sqrt{5}\end{aligned}$$

$$\begin{aligned}(7) (\sqrt{3} + \sqrt{6})(\sqrt{3} - \sqrt{6}) \\ = -3\end{aligned}$$

$$\begin{aligned}(8) (2\sqrt{7} + 2)^2 \\ = 32 + 8\sqrt{7}\end{aligned}$$

$$\begin{aligned}(9) (\sqrt{6} + \sqrt{2})(\sqrt{6} - \sqrt{2}) \\ = 4\end{aligned}$$

$$\begin{aligned}(10) (2\sqrt{6} + 1)(\sqrt{6} - 5) \\ = 7 - 9\sqrt{6}\end{aligned}$$

$$\begin{aligned}(11) \sqrt{3}(\sqrt{6} + 1) \\ = 3\sqrt{2} + \sqrt{3}\end{aligned}$$

$$\begin{aligned}(12) \sqrt{6}(\sqrt{2} + 1) \\ = 2\sqrt{3} + \sqrt{6}\end{aligned}$$

$$\begin{aligned}(13) \sqrt{2}(\sqrt{3} - 4) \\ = \sqrt{6} - 4\sqrt{2}\end{aligned}$$

$$\begin{aligned}(14) (2\sqrt{7} + 4)(\sqrt{7} + 1) \\ = 18 + 6\sqrt{7}\end{aligned}$$

$$\begin{aligned}(15) (\sqrt{7} + 2)(\sqrt{7} - 1) \\ = 5 + \sqrt{7}\end{aligned}$$

$$\begin{aligned}(16) (\sqrt{7} + \sqrt{6})(\sqrt{7} - \sqrt{6}) \\ = 1\end{aligned}$$

$$\begin{aligned}(17) (\sqrt{3} + \sqrt{5})(\sqrt{3} - \sqrt{5}) \\ = -2\end{aligned}$$

$$\begin{aligned}(18) (\sqrt{5} - 1)(\sqrt{5} + 2) \\ = 3 + \sqrt{5}\end{aligned}$$

$$\begin{aligned}(19) (\sqrt{6} + 1)^2 \\ = 7 + 2\sqrt{6}\end{aligned}$$

$$\begin{aligned}(20) \sqrt{3}(\sqrt{2} - 1) \\ = \sqrt{6} - \sqrt{3}\end{aligned}$$