

平方根 乗法公式（20問） 版A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。

$$(1) (2\sqrt{7} + 4)(\sqrt{7} - 3) \\ = 2 - 2\sqrt{7}$$

$$(2) \sqrt{6}(\sqrt{5} - 4) \\ = \sqrt{30} - 4\sqrt{6}$$

$$(3) (\sqrt{2} - 1)^2 \\ = 3 - 2\sqrt{2}$$

$$(4) \sqrt{3}(\sqrt{2} + 2) \\ = 2\sqrt{3} + \sqrt{6}$$

$$(5) (\sqrt{2} + 4)(\sqrt{2} - 4) \\ = -14$$

$$(6) \sqrt{6}(\sqrt{2} + 2) \\ = 2\sqrt{3} + 2\sqrt{6}$$

$$(7) (2\sqrt{7} + 1)(\sqrt{7} - 4) \\ = 10 - 7\sqrt{7}$$

$$(8) (\sqrt{6} - 3)(\sqrt{6} - 1) \\ = 9 - 4\sqrt{6}$$

$$(9) \sqrt{2}(\sqrt{3} + 3) \\ = 3\sqrt{2} + \sqrt{6}$$

$$(10) (\sqrt{7} + \sqrt{3})(\sqrt{7} - \sqrt{3}) \\ = 4$$

$$(11) (\sqrt{5} + \sqrt{2})(\sqrt{5} - \sqrt{2}) \\ = 3$$

$$(12) (\sqrt{7} + 1)(\sqrt{7} - 1) \\ = 6$$

$$(13) (\sqrt{2} - 4)^2 \\ = 18 - 8\sqrt{2}$$

$$(14) (\sqrt{2} - 3)^2 \\ = 11 - 6\sqrt{2}$$

$$(15) \sqrt{3}(\sqrt{2} - 5) \\ = \sqrt{6} - 5\sqrt{3}$$

$$(16) (2\sqrt{2} - 1)(\sqrt{2} - 2) \\ = 6 - 5\sqrt{2}$$

$$(17) (\sqrt{7} + 5)^2 \\ = 32 + 10\sqrt{7}$$

$$(18) (2\sqrt{7} + 3)(\sqrt{7} - 2) \\ = 8 - \sqrt{7}$$

$$(19) (\sqrt{6} + 4)^2 \\ = 22 + 8\sqrt{6}$$

$$(20) (\sqrt{5} + \sqrt{7})(\sqrt{5} - \sqrt{7}) \\ = -2$$