

平方根〈和差2〉No.1の解答

1. 次の式を簡単にせよ。

$$(1) \sqrt{32} - 2\sqrt{2} \\ = 4\sqrt{2} - 2\sqrt{2}$$

答. $2\sqrt{2}$

$$(2) \sqrt{48} - 5\sqrt{3} \\ = 4\sqrt{3} - 5\sqrt{3}$$

答. $-\sqrt{3}$

$$(3) \sqrt{48} + \sqrt{3} \\ = 4\sqrt{3} + \sqrt{3}$$

答. $5\sqrt{3}$

$$(4) \sqrt{8} - 5\sqrt{2} \\ = 2\sqrt{2} - 5\sqrt{2}$$

答. $-3\sqrt{2}$

$$(5) \sqrt{3} + 5\sqrt{3}$$

答. $6\sqrt{3}$

$$(6) \sqrt{5} - \sqrt{80} \\ = \sqrt{5} - 4\sqrt{5}$$

答. $-3\sqrt{5}$

$$(7) \sqrt{27} - \sqrt{3} \\ = 3\sqrt{3} - \sqrt{3}$$

答. $2\sqrt{3}$

$$(8) \sqrt{3} - \sqrt{48} \\ = \sqrt{3} - 4\sqrt{3}$$

答. $-3\sqrt{3}$

$$(9) \sqrt{2} + \sqrt{18} \\ = \sqrt{2} + 3\sqrt{2}$$

答. $4\sqrt{2}$

$$(10) \sqrt{12} + \sqrt{48} \\ = 2\sqrt{3} + 4\sqrt{3}$$

答. $6\sqrt{3}$

平方根<和差2> No.2の解答

1. 次の式を簡単にせよ。

$$(1) \sqrt{45} - 5\sqrt{5} \\ = 3\sqrt{5} - 5\sqrt{5}$$

答. $-2\sqrt{5}$

$$(2) \sqrt{12} - 5\sqrt{3} \\ = 2\sqrt{3} - 5\sqrt{3}$$

答. $-3\sqrt{3}$

$$(3) \sqrt{12} + 3\sqrt{3} \\ = 2\sqrt{3} + 3\sqrt{3}$$

答. $5\sqrt{3}$

$$(4) \sqrt{12} + 6\sqrt{3} \\ = 2\sqrt{3} + 6\sqrt{3}$$

答. $8\sqrt{3}$

$$(5) \sqrt{18} + 6\sqrt{2} \\ = 3\sqrt{2} + 6\sqrt{2}$$

答. $9\sqrt{2}$

$$(6) \sqrt{2} - \sqrt{18} \\ = \sqrt{2} - 3\sqrt{2}$$

答. $-2\sqrt{2}$

$$(7) \sqrt{32} - \sqrt{8} \\ = 4\sqrt{2} - 2\sqrt{2}$$

答. $2\sqrt{2}$

$$(8) \sqrt{12} + \sqrt{3} \\ = 2\sqrt{3} + \sqrt{3}$$

答. $3\sqrt{3}$

$$(9) \sqrt{18} + \sqrt{32} \\ = 3\sqrt{2} + 4\sqrt{2}$$

答. $7\sqrt{2}$

$$(10) \sqrt{80} - \sqrt{45} \\ = 4\sqrt{5} - 3\sqrt{5}$$

答. $\sqrt{5}$

平方根〈和差2〉No.3の解答

1. 次の式を簡単にせよ。

$$(1) \sqrt{45} - 4\sqrt{5} \\ = 3\sqrt{5} - 4\sqrt{5}$$

答. $-\sqrt{5}$

$$(2) \sqrt{18} + 5\sqrt{2} \\ = 3\sqrt{2} + 5\sqrt{2}$$

答. $8\sqrt{2}$

$$(3) \sqrt{32} + 6\sqrt{2} \\ = 4\sqrt{2} + 6\sqrt{2}$$

答. $10\sqrt{2}$

$$(4) \sqrt{18} - 6\sqrt{2} \\ = 3\sqrt{2} - 6\sqrt{2}$$

答. $-3\sqrt{2}$

$$(5) \sqrt{2} + 2\sqrt{2}$$

答. $3\sqrt{2}$

$$(6) \sqrt{80} - \sqrt{5} \\ = 4\sqrt{5} - \sqrt{5}$$

答. $3\sqrt{5}$

$$(7) \sqrt{12} - \sqrt{3} \\ = 2\sqrt{3} - \sqrt{3}$$

答. $\sqrt{3}$

$$(8) \sqrt{5} + \sqrt{80} \\ = \sqrt{5} + 4\sqrt{5}$$

答. $5\sqrt{5}$

$$(9) \sqrt{80} + \sqrt{45} \\ = 4\sqrt{5} + 3\sqrt{5}$$

答. $7\sqrt{5}$

$$(10) \sqrt{12} + \sqrt{3} \\ = 2\sqrt{3} + \sqrt{3}$$

答. $3\sqrt{3}$

平方根<和差2> No.4の解答

1. 次の式を簡単にせよ。

$$(1) \sqrt{12} - 3\sqrt{3} \\ = 2\sqrt{3} - 3\sqrt{3}$$

答. $-\sqrt{3}$

$$(2) \sqrt{48} + \sqrt{3} \\ = 4\sqrt{3} + \sqrt{3}$$

答. $5\sqrt{3}$

$$(3) \sqrt{27} + 4\sqrt{3} \\ = 3\sqrt{3} + 4\sqrt{3}$$

答. $7\sqrt{3}$

$$(4) \sqrt{18} - 2\sqrt{2} \\ = 3\sqrt{2} - 2\sqrt{2}$$

答. $\sqrt{2}$

$$(5) \sqrt{27} - \sqrt{3} \\ = 3\sqrt{3} - \sqrt{3}$$

答. $2\sqrt{3}$

$$(6) \sqrt{12} + \sqrt{3} \\ = 2\sqrt{3} + \sqrt{3}$$

答. $3\sqrt{3}$

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

答. $3\sqrt{2}$

$$(8) \sqrt{80} + \sqrt{5} \\ = 4\sqrt{5} + \sqrt{5}$$

答. $5\sqrt{5}$

$$(9) \sqrt{3} - \sqrt{48} \\ = \sqrt{3} - 4\sqrt{3}$$

答. $-3\sqrt{3}$

$$(10) \sqrt{18} + \sqrt{32} \\ = 3\sqrt{2} + 4\sqrt{2}$$

答. $7\sqrt{2}$

平方根〈和差2〉No.5の解答

1. 次の式を簡単にせよ。

$$(1) \sqrt{20} - 5\sqrt{5} \\ = 2\sqrt{5} - 5\sqrt{5}$$

答. $-3\sqrt{5}$

$$(2) \sqrt{32} + 5\sqrt{2} \\ = 4\sqrt{2} + 5\sqrt{2}$$

答. $9\sqrt{2}$

$$(3) \sqrt{48} - \sqrt{3} \\ = 4\sqrt{3} - \sqrt{3}$$

答. $3\sqrt{3}$

$$(4) \sqrt{12} - \sqrt{3} \\ = 2\sqrt{3} - \sqrt{3}$$

答. $\sqrt{3}$

$$(5) \sqrt{3} + 2\sqrt{3}$$

答. $3\sqrt{3}$

$$(6) \sqrt{45} + \sqrt{20} \\ = 3\sqrt{5} + 2\sqrt{5}$$

答. $5\sqrt{5}$

$$(7) \sqrt{3} - \sqrt{48} \\ = \sqrt{3} - 4\sqrt{3}$$

答. $-3\sqrt{3}$

$$(8) \sqrt{48} - \sqrt{27} \\ = 4\sqrt{3} - 3\sqrt{3}$$

答. $\sqrt{3}$

$$(9) \sqrt{8} - \sqrt{18} \\ = 2\sqrt{2} - 3\sqrt{2}$$

答. $-\sqrt{2}$

$$(10) \sqrt{45} + \sqrt{5} \\ = 3\sqrt{5} + \sqrt{5}$$

答. $4\sqrt{5}$