

■ 次の計算をなさい。

① $3\sqrt{6} + \sqrt{18} + \sqrt{6}$

② $\sqrt{75} - 2\sqrt{3} - \sqrt{3}$

③ $-\sqrt{7} + \sqrt{28} - 3\sqrt{7}$

④ $-4\sqrt{3}(\sqrt{75} - 6)$

⑤ $-\sqrt{24} - \sqrt{48} - \sqrt{54}$

⑥ $-\sqrt{10} + \sqrt{28} + 3\sqrt{10}$

⑦ $3\sqrt{6} - \sqrt{96} + \sqrt{6}$

⑧ $\sqrt{20} + \sqrt{5} - \sqrt{80}$

⑨ $\sqrt{5}(2 + \sqrt{45})$

⑩ $-5\sqrt{2}(7\sqrt{2} - 1)$

⑪ $\sqrt{44} - \sqrt{11} + 3\sqrt{2}$

⑫ $7\sqrt{2}(\sqrt{28} + 3\sqrt{2})$

⑬ $-7\sqrt{2}(\sqrt{18} - 2)$

⑭ $-\sqrt{99} + \sqrt{11} + \sqrt{44}$

⑮ $-\sqrt{2} + \sqrt{98} - 5\sqrt{3}$

⑯ $3\sqrt{7}(\sqrt{7} - \sqrt{54})$

■ 次の計算をなさい。

① $3\sqrt{6} + \sqrt{18} + \sqrt{6} = 3\sqrt{6} + 3\sqrt{2} + \sqrt{6}$

$4\sqrt{6} + 3\sqrt{2}$

② $\sqrt{75} - 2\sqrt{3} - \sqrt{3} = 5\sqrt{3} - 2\sqrt{3} - \sqrt{3}$

$2\sqrt{3}$

③ $-\sqrt{7} + \sqrt{28} - 3\sqrt{7} = -\sqrt{7} + 2\sqrt{7} - 3\sqrt{7}$

$-2\sqrt{7}$

④ $-4\sqrt{3}(\sqrt{75} - 6)$

$-60 + 24\sqrt{3}$

⑤ $-\sqrt{24} - \sqrt{48} - \sqrt{54} = -2\sqrt{6} - 4\sqrt{3} - 3\sqrt{6}$

$-5\sqrt{6} - 4\sqrt{3}$

⑥ $-\sqrt{10} + \sqrt{28} + 3\sqrt{10} = -\sqrt{10} + 2\sqrt{7} + 3\sqrt{10}$

$2\sqrt{10} + 2\sqrt{7}$

⑦ $3\sqrt{6} - \sqrt{96} + \sqrt{6} = 3\sqrt{6} - 4\sqrt{6} + \sqrt{6}$

0

⑧ $\sqrt{20} + \sqrt{5} - \sqrt{80} = 2\sqrt{5} + \sqrt{5} - 4\sqrt{5}$

$-\sqrt{5}$

⑨ $\sqrt{5}(2 + \sqrt{45})$

$2\sqrt{5} + 15$

⑩ $-5\sqrt{2}(7\sqrt{2} - 1)$

$-70 + 5\sqrt{2}$

⑪ $\sqrt{44} - \sqrt{11} + 3\sqrt{2} = 2\sqrt{11} - \sqrt{11} + 3\sqrt{2}$

$\sqrt{11} + 3\sqrt{2}$

⑫ $7\sqrt{2}(\sqrt{28} + 3\sqrt{2})$

$14\sqrt{14} + 42$

⑬ $-7\sqrt{2}(\sqrt{18} - 2)$

$-42 + 14\sqrt{2}$

⑭ $-\sqrt{99} + \sqrt{11} + \sqrt{44} = -3\sqrt{11} + \sqrt{11} + 2\sqrt{11}$

0

⑮ $-\sqrt{2} + \sqrt{98} - 5\sqrt{3} = -\sqrt{2} + 7\sqrt{2} - 5\sqrt{3}$

$6\sqrt{2} - 5\sqrt{3}$

⑯ $3\sqrt{7}(\sqrt{7} - \sqrt{54})$

$21 - 9\sqrt{42}$