

■ 次の計算をなさい。

① $\sqrt{32} + \sqrt{50} + \sqrt{2}$

② $-4\sqrt{3}(3 - \sqrt{75})$

③ $-\sqrt{99} + \sqrt{44} + \sqrt{11}$

④ $2\sqrt{6} - \sqrt{54} - \sqrt{6}$

⑤ $2\sqrt{2}(\sqrt{90} + \sqrt{2})$

⑥ $-\sqrt{45} + 2\sqrt{5} - \sqrt{80}$

⑦ $\sqrt{48} - \sqrt{27} + 2\sqrt{3}$

⑧ $-\sqrt{90} - 2\sqrt{11} + \sqrt{99}$

⑨ $\sqrt{10} - \sqrt{40} - 2\sqrt{5}$

⑩ $\sqrt{32} - \sqrt{50} + \sqrt{2}$

⑪ $\sqrt{10}(\sqrt{90} + \sqrt{45})$

⑫ $-7\sqrt{2} + \sqrt{18} + \sqrt{2}$

⑬ $-7\sqrt{2}(\sqrt{8} - \sqrt{7})$

⑭ $-\sqrt{8} + \sqrt{72} - \sqrt{32}$

⑮ $-\sqrt{5}(6 - 2\sqrt{5})$

⑯ $3\sqrt{7} + \sqrt{40} + \sqrt{10}$

■ 次の計算を下さい。

$$\textcircled{1} \sqrt{32} + \sqrt{50} + \sqrt{2} = 4\sqrt{2} + 5\sqrt{2} + \sqrt{2}$$

$$10\sqrt{2}$$

$$\textcircled{2} -4\sqrt{3}(3 - \sqrt{75})$$

$$-12\sqrt{3} + 60$$

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

$$0$$

$$\textcircled{4} 2\sqrt{6} - \sqrt{54} - \sqrt{6} = 2\sqrt{6} - 3\sqrt{6} - \sqrt{6}$$

$$-2\sqrt{6}$$

$$\textcircled{5} 2\sqrt{2}(\sqrt{90} + \sqrt{2})$$

$$12\sqrt{5} + 4$$

$$\textcircled{6} -\sqrt{45} + 2\sqrt{5} - \sqrt{80} = -3\sqrt{5} + 2\sqrt{5} - 4\sqrt{5}$$

$$-5\sqrt{5}$$

$$\textcircled{7} \sqrt{48} - \sqrt{27} + 2\sqrt{3} = 4\sqrt{3} - 3\sqrt{3} + 2\sqrt{3}$$

$$3\sqrt{3}$$

$$\textcircled{8} -\sqrt{90} - 2\sqrt{11} + \sqrt{99} = -3\sqrt{10} - 2\sqrt{11} + 3\sqrt{11}$$

$$-3\sqrt{10} + \sqrt{11}$$

$$\textcircled{9} \sqrt{10} - \sqrt{40} - 2\sqrt{5} = \sqrt{10} - 2\sqrt{10} - 2\sqrt{5}$$

$$-\sqrt{10} - 2\sqrt{5}$$

$$\textcircled{10} \sqrt{32} - \sqrt{50} + \sqrt{2} = 4\sqrt{2} - 5\sqrt{2} + \sqrt{2}$$

$$0$$

$$\textcircled{11} \sqrt{10}(\sqrt{90} + \sqrt{45})$$

$$30 + 15\sqrt{2}$$

$$\textcircled{12} -7\sqrt{2} + \sqrt{18} + \sqrt{2} = -7\sqrt{2} + 3\sqrt{2} + \sqrt{2}$$

$$-3\sqrt{2}$$

$$\textcircled{13} -7\sqrt{2}(\sqrt{8} - \sqrt{7})$$

$$-28 + 7\sqrt{14}$$

$$\textcircled{14} -\sqrt{8} + \sqrt{72} - \sqrt{32} = -2\sqrt{2} + 6\sqrt{2} - 4\sqrt{2}$$

$$0$$

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

$$-6\sqrt{5} + 10$$

$$\textcircled{16} 3\sqrt{7} + \sqrt{40} + \sqrt{10} = 3\sqrt{7} + 2\sqrt{10} + \sqrt{10}$$

$$3\sqrt{7} + 3\sqrt{10}$$