■ 次の計算をしなさい。

① $\sqrt{7} - \sqrt{24} + \sqrt{63}$

⑨ $-3\sqrt{11} - \sqrt{11} + \sqrt{44}$

② $-6\sqrt{2} + \sqrt{98} - \sqrt{2}$

⑩ $5\sqrt{3}\left(9 - \sqrt{3}\right)$

③ $\sqrt{45} + \sqrt{3} + \sqrt{5}$

⑪ $-\sqrt{72} + \sqrt{98} - \sqrt{2}$

④ $-\sqrt{7}\left(\sqrt{28} + \sqrt{20}\right)$

⑫ $\sqrt{8} - \sqrt{32} - 3\sqrt{2}$

⑤ $3\sqrt{5}\left(\sqrt{6} + 2\sqrt{5}\right)$

⑬ $2\sqrt{6}\left(\sqrt{48} + \sqrt{6}\right)$

⑥ $-4\sqrt{3}\left(\sqrt{28} - \sqrt{3}\right)$

⑭ $-\sqrt{7}\left(\sqrt{63} + 4\right)$

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

⑮ $-\sqrt{40} - 2\sqrt{7} - \sqrt{63}$

⑧ $5\sqrt{2}\left(\sqrt{18} - 3\right)$

⑯ $2\sqrt{6} + \sqrt{44} + \sqrt{11}$

■ 次の計算をしなさい。

① $\sqrt{7} - \sqrt{24} + \sqrt{63}$　$= \sqrt{7} - 2\sqrt{6} + 3\sqrt{7}$

$$4\sqrt{7} - 2\sqrt{6}$$

② $-6\sqrt{2} + \sqrt{98} - \sqrt{2}$　$= -6\sqrt{2} + 7\sqrt{2} - \sqrt{2}$

$$0$$

③ $\sqrt{45} + \sqrt{3} + \sqrt{5}$　$= 3\sqrt{5} + \sqrt{3} + \sqrt{5}$

$$4\sqrt{5} + \sqrt{3}$$

④ $-\sqrt{7}(\sqrt{28} + \sqrt{20})$

$$-14 - 2\sqrt{35}$$

⑤ $3\sqrt{5}(\sqrt{6} + 2\sqrt{5})$

$$3\sqrt{30} + 30$$

⑥ $-4\sqrt{3}(\sqrt{28} - \sqrt{3})$

$$-8\sqrt{21} + 12$$

⑦ $-3\sqrt{3}(\sqrt{12} - 2)$

$$-18 + 6\sqrt{3}$$

⑧ $5\sqrt{2}(\sqrt{18} - 3)$

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

⑨ $-3\sqrt{11} - \sqrt{11} + \sqrt{44}$　$= -3\sqrt{11} - \sqrt{11} + 2\sqrt{11}$

$$-2\sqrt{11}$$

⑩ $5\sqrt{3}(9 - \sqrt{3})$

$$45\sqrt{3} - 15$$

⑪ $-\sqrt{72} + \sqrt{98} - \sqrt{2}$　$= -6\sqrt{2} + 7\sqrt{2} - \sqrt{2}$

$$0$$

⑫ $\sqrt{8} - \sqrt{32} - 3\sqrt{2}$　$= 2\sqrt{2} - 4\sqrt{2} - 3\sqrt{2}$

$$-5\sqrt{2}$$

⑬ $2\sqrt{6}(\sqrt{48} + \sqrt{6})$

$$24\sqrt{2} + 12$$

⑭ $-\sqrt{7}(\sqrt{63} + 4)$

$$-21 - 4\sqrt{7}$$

⑮ $-\sqrt{40} - 2\sqrt{7} - \sqrt{63}$　$= -2\sqrt{10} - 2\sqrt{7} - 3\sqrt{7}$

$$-2\sqrt{10} - 5\sqrt{7}$$

⑯ $2\sqrt{6} + \sqrt{44} + \sqrt{11}$　$= 2\sqrt{6} + 2\sqrt{11} + \sqrt{11}$

$$2\sqrt{6} + 3\sqrt{11}$$