

1 次の計算をなさい。

(1) $4\sqrt{3} \times 2\sqrt{6}$

(2) $-3 \times 2\sqrt{15}$

(3) $6\sqrt{2} \times (-5\sqrt{10})$

(4) $(-\sqrt{3})^2$

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

(6) $(-4\sqrt{2})^2$

(7) $\sqrt{40} \div \sqrt{5}$

(8) $6\sqrt{6} \div 3\sqrt{10}$

(9) $\sqrt{3} \div 2\sqrt{15}$

(10) $3\sqrt{6} \times \sqrt{3} \div 9\sqrt{10}$

(11) $4\sqrt{15} \div 2\sqrt{20} \times \sqrt{3}$

(12) $\sqrt{\frac{5}{3}} \div \sqrt{15} \times \sqrt{\frac{5}{6}}$

(13) $\sqrt{\frac{1}{2}} \times 4\sqrt{3} \div \sqrt{\frac{3}{10}}$

(14) $\sqrt{8} - 3\sqrt{2}$

(15) $2\sqrt{5} + \sqrt{80}$

(16) $\sqrt{90} - \sqrt{40}$

(17) $\sqrt{12} + \sqrt{28} + \sqrt{63} - \sqrt{75}$

(18) $\sqrt{24} + 2 - \sqrt{20} + 3 - \sqrt{45} - \sqrt{54}$

(19) $\frac{\sqrt{18}}{5} - \frac{\sqrt{8}}{3}$

(20) $\frac{\sqrt{27}}{4} + \frac{\sqrt{12}}{7}$

(21) $\sqrt{45} - \frac{\sqrt{5}}{3}$

$$(22) \sqrt{60} - \frac{12\sqrt{5}}{\sqrt{3}}$$

$$(23) \frac{15}{\sqrt{6}} + \sqrt{24}$$

$$(24) \sqrt{40} + \sqrt{\frac{5}{2}}$$

$$(25) \sqrt{5}(\sqrt{10} - \sqrt{30})$$

$$(26) 3\sqrt{3} - \sqrt{6} \times \sqrt{18}$$

$$(27) 4\sqrt{2}(\sqrt{14} + 2\sqrt{2})$$

$$(28) (\sqrt{20} + \sqrt{10}) \div \sqrt{2}$$

$$(29) (3\sqrt{12} - \sqrt{6}) \div \sqrt{3}$$

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

$$(31) (\sqrt{2} + 8)(\sqrt{2} - 4)$$

$$(32) (2\sqrt{3} - 5)(2\sqrt{3} + 1)$$

$$(33) (\sqrt{7} + 4)^2$$

$$(34) (\sqrt{5} - \sqrt{3})^2$$

$$(35) (3\sqrt{5} - \sqrt{14})^2$$

$$(36) (\sqrt{30} + 5)(\sqrt{30} - 5)$$

$$(37) (4\sqrt{5} + 9)(4\sqrt{5} - 9)$$