

平方根の計算③

1 次の計算をなさい。

(1) $\sqrt{8} \times \sqrt{45}$

(2) $\sqrt{28} \times \sqrt{75}$

(3) $-\sqrt{12} \times \sqrt{18}$

(4) $\sqrt{20} \times \sqrt{21} \times \sqrt{70}$

(5) $\sqrt{35} \times \sqrt{12} \times \sqrt{\frac{15}{7}}$

(6) $\sqrt{45} \div \sqrt{375}$

(7) $\sqrt{125} \div (-\sqrt{180})$

(8) $\sqrt{\frac{27}{2}} \times \sqrt{80} \div \sqrt{90}$

(9) $\sqrt{96} \div (-3\sqrt{3}) \times \sqrt{18}$

2 次の計算をなさい。

(1) $\frac{12}{\sqrt{3}} - \sqrt{27}$

(2) $\sqrt{63} + \frac{14}{\sqrt{7}}$

(3) $\sqrt{8} - \frac{6}{\sqrt{2}}$

(4) $\sqrt{54} \div \sqrt{2} - \sqrt{2} \times \sqrt{6}$

(5) $\sqrt{12} \times \sqrt{30} - \sqrt{18} \div \sqrt{5}$

(6) $\sqrt{12} - \frac{3}{\sqrt{3}} + 2\sqrt{27}$

(7) $\frac{6}{\sqrt{2}} - \frac{5}{2\sqrt{2}} - \frac{\sqrt{50}}{3}$

(8) $6\sqrt{2} - 2\sqrt{8} + \sqrt{50} - \frac{6}{\sqrt{2}}$

(9) $\sqrt{27} - \frac{3}{\sqrt{3}} - \frac{5\sqrt{6}}{\sqrt{2}} - \frac{18}{\sqrt{3}}$