

1 次の数の分母を有理化(分母に根号がない形に)せよ。

(1) $\frac{1}{\sqrt{5}}$

(2) $\frac{4}{\sqrt{7}}$

(3) $\frac{3}{\sqrt{6}}$

(4) $\frac{\sqrt{2}}{\sqrt{3}}$

(5) $\frac{\sqrt{2}}{\sqrt{5}}$

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

(7) $\frac{6}{\sqrt{24}}$

(8) $\frac{\sqrt{2}}{\sqrt{27}}$

(9) $\frac{3\sqrt{2}}{\sqrt{90}}$

2 次の計算をなさい。

(1) $\sqrt{18} \div \sqrt{3}$

(2) $\sqrt{5} \div \sqrt{10}$

(3) $3\sqrt{2} \div \sqrt{6}$

(4) $\sqrt{72} \div \sqrt{14}$



【解答】

1

(1) $\frac{\sqrt{5}}{5}$

(2) $\frac{4\sqrt{7}}{7}$

(3) $\frac{3\sqrt{6}}{6}$

(4) $\frac{\sqrt{6}}{3}$

(5) $\frac{\sqrt{10}}{5}$

(6) $\frac{5\sqrt{2}}{6}$

(7) $\frac{\sqrt{6}}{2}$

(8) $\frac{\sqrt{6}}{9}$

(9) $\frac{\sqrt{5}}{5}$

2

(1) $\sqrt{6}$

(2) $\frac{\sqrt{2}}{2}$

(3) $\sqrt{3}$

(4) $\frac{\sqrt{252}}{7}$