

1. $\sqrt{\frac{2}{7}} \div \sqrt{2} \div \frac{1}{\sqrt{14}}$ 을 계산하여라.

▶ 답 :

▷ 정답 : $\sqrt{2}$

해설

$$\begin{aligned}\sqrt{\frac{2}{7}} \div \sqrt{2} \div \frac{1}{\sqrt{14}} &= \sqrt{\frac{2}{7}} \times \frac{1}{\sqrt{2}} \times \sqrt{14} \\ &= \sqrt{\frac{2 \times 14}{7 \times 2}} \\ &= \sqrt{2}\end{aligned}$$

2. $\sqrt{0.48} \times \sqrt{0.98} \div \sqrt{0.32}$ 를 간단히 하여라.

▶ 답 :

▷ 정답 : $\frac{7\sqrt{3}}{10}$

해설

$$\begin{aligned} & \sqrt{\frac{4 \times 4 \times 3}{100}} \times \sqrt{\frac{7 \times 7 \times 2}{100}} \div \sqrt{\frac{100}{4 \times 4 \times 2}} \\ &= \frac{4\sqrt{3}}{10} \times \frac{7\sqrt{2}}{10} \times \frac{10}{4\sqrt{2}} \\ &= \frac{7\sqrt{3}}{10} \end{aligned}$$