

根号の変形 練習

NO.3

名前

/ 点

◆ 次の式を簡単にしなさい。

①
$$\frac{\sqrt{18}}{3}$$

②
$$\frac{\sqrt{50}}{2}$$

③
$$\frac{\sqrt{58}}{4}$$

④ $3\sqrt{75}$

⑤ $5\sqrt{48}$

⑥
$$\sqrt{\frac{49}{16}}$$

⑦
$$\frac{\sqrt{200}}{\sqrt{2}}$$

解答

$$\textcircled{1} \quad \frac{\sqrt{18}}{3} = \frac{3\sqrt{2}}{3} = \sqrt{2}$$

$$\textcircled{2} \quad \frac{\sqrt{50}}{2} = \frac{5\sqrt{2}}{2}$$

$$\textcircled{3} \quad \frac{\sqrt{48}}{4} = \frac{16\sqrt{3}}{4} = 4\sqrt{3}$$

$$\textcircled{4} \quad 3\sqrt{75} = 3 \times 5\sqrt{3} = 15\sqrt{3}$$

$$\textcircled{5} \quad 5\sqrt{24} = 5 \times 2\sqrt{6} = 10\sqrt{6}$$

$$\textcircled{6} \quad \sqrt{\frac{49}{16}} = \frac{7}{4}$$

$$\textcircled{7} \quad \frac{\sqrt{200}}{\sqrt{2}} = \frac{10\sqrt{2}}{\sqrt{2}} = 10$$