

$$\textcircled{1} 10\sqrt[3]{54x} \cdot 3\sqrt[3]{x^7}$$

$$\textcircled{2} \frac{18}{\sqrt[3]{x}}$$

$$\textcircled{3} \frac{(x^{\frac{1}{2}} y^{\frac{15}{3}} \cdot x^4)^{\frac{5}{6}}}{x^{\frac{2}{5}} y^3}$$

$$\textcircled{4} \text{Rewrite } \overset{\text{expon.}}{\sqrt[10]{3x^2}}$$

$$\textcircled{5} \text{Rewrite (Radical)} \\ (2x)^{\frac{6}{13}}$$

①  $30 \sqrt[3]{54x^8}$  ~~XXXXXX~~

$\begin{array}{c} \wedge \\ 2 \quad 27 \\ \text{=} \quad \times \\ 3 \quad 9 \\ \quad \wedge \\ \quad 3 \quad 3 \end{array}$

$90x^2 \sqrt[3]{2x^2}$

②

$$\frac{18}{\sqrt[3]{x}} \cdot \frac{\sqrt[3]{x^2}}{\sqrt[3]{x^2}}$$

$$\frac{18\sqrt[3]{x^2}}{\sqrt[3]{x^3}}$$

$$\frac{18\sqrt[3]{x^2}}{x}$$

$\left. \begin{array}{l} \# + \sqrt{\quad} \\ \frac{7}{2 + \sqrt{3}} \cdot \frac{2 - \sqrt{3}}{2 - \sqrt{3}} \end{array} \right\}$

$$\textcircled{3} \quad \frac{(x^{\frac{1}{2}} y^{\frac{15}{3}} \cdot x^4)^{\frac{6}{5}}}{x^{\frac{2}{5}} y^3} = \frac{x^{\frac{3}{5}} y^6 x^{\frac{24}{5}}}{x^{\frac{2}{5}} y^3}$$

$$\frac{x^{\frac{27}{5}} y^6}{x^{\frac{2}{5}} y^3}$$

$$x^{\frac{25}{5}} y^3 = \boxed{x^5 y^3}$$

$$\textcircled{4} \quad (3x^2)^{\frac{7}{10}}$$

$$\textcircled{5} \quad \sqrt[13]{(2x)^6}$$

$$\sqrt[13]{(2x)^6}$$
$$2^6 x^6$$

